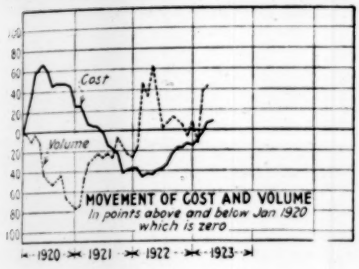
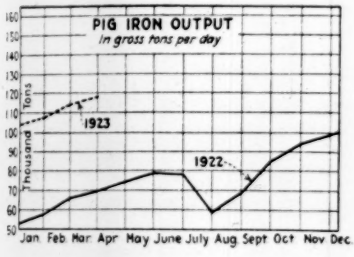
CONSTRUCTION NEWS

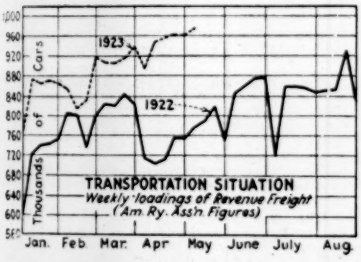
The Construction Barometer

Labor Higher—Contracts Down Except in South and Far West

THE 4-point advance in construction cost since May 1 is chargeable to labor, as explained in the Business Side of Construction. The major materials remain steady, but the common-labor rate for the country now averages 53c. per hr., against 51c. a month ago. Demand, as reflected by contracts, has fallen 14 per cent. In 1922 the May contracts were 20 per cent heavier than the April. The decline is greatest in the Middle Atlantic states and West of the Mississippi. There are gains in the South and in the Far West. The chief drop is in industrial building; streets and roads are heavier than a month ago.







E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ending	Public Work	Private Work	Total Contracts
May 17	$21,510,000	$17,893,000	$39,403,000
May 24	15,598,000	18,816,000	34,414,000
May 31	16,126,000	13,565,000	29,691,000
3 weeks	$53,234,000	$50,274,000	$103,508,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

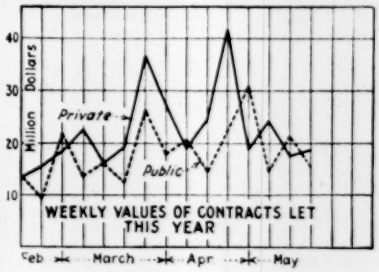
Week Ending	Public No.	Public Work	Private No.	Private Work
May 17	17	$6,395,000	36	10,765,000
May 24	10	2,509,000	35	12,481,000
May 31	11	2,555,000	33	8,528,000
3 weeks	38	$11,459,000	104	$31,774,000

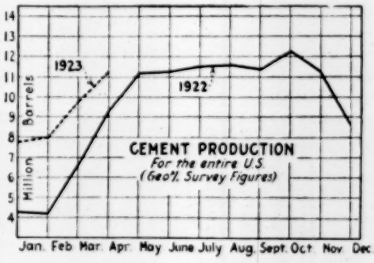
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

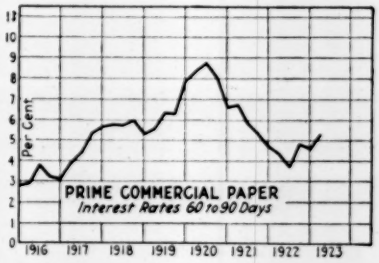
Week Ending	Private	Public All	Streets and Roads	Water-works and Sewers	All Buildings
May 17	43	213	82	49	44
May 24	32	230	90	44	48
May 31	25	226	94	38	36

BASE PRICES UNCHANGED IN WEEK—LABOR HIGHER

	Quoted on June 7, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50 @2.60	$2.50 @2.65	May 17
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M. ft.	60.00	58.00	Apr. 5
Fir, San Fran., M. ft.	41.00	39.00	Apr. 5
Common labor, hr.	0.53	0.51	May 31







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
June 8	Brooklyn, N. Y.	May 31
June 11	Montreal, Que.	June 7
June 12	Woodbury, N. J.	May 31
	Adv. May 31 and June 7.	
June 12	Woodward, Okla.	June 7
June 14	Mamon, La.	May 31
June 15	Elbow Lake, Minn.	June 7
June 15	Milwaukee, Wis.	June 7
June 15	Brooklyn, N. Y.	June 7
June 19	Little Chute, Wis.	June 7
June 20	Fairport, N. Y.	June 7
	Adv. May 31 and June 7.	
June 22	Cleveland, O.	May 31
	Adv. May 31 and June 7.	
June 25	Duluth, Minn.	June 7
June 27	Davenport, Wash.	May 31

SEWERS

June 11	Sterling, Kan.	June 7
June 12	Watertown, Wis.	June 7
June 12	Dayton, O.	June 7
June 12	Chicago, Ill.	June 7
June 15	Erie, Pa.	June 7
	Adv. June 7.	
June 15	Milwaukee, Wis.	May 31
June 15	Milwaukee, Wis.	June 7
June 18	St. Therese, Que.	June 7
June 19	Media, Pa.	June 7
	Adv. June 7.	
June 19	Erie, Pa.	June 7
June 20	Westville, N. J.	May 31
June 21	Linthicum Heights, Md.	June 7
	Adv. June 7.	

WASTE DISPOSAL

June 20	Duluth, Minn.	May 31
June 21	Sacramento, Calif.	May 31

BRIDGES

June 9	Schuylerville, N. Y.	June 7
June 11	San Leandro, Calif.	June 7
Juen 11	Chicago, Ill.	June 7
June 11	Saskatchewan	June 7
June 12	Fine, N. Y.	June 7
June 14	Mercer, Pa.	June 7
June 15	Norwich, N. Y.	June 7
June 15	Clarinda, Ia.	June 7
June 19	Alabama	June 7
June 20	Okanogan, Wash.	June 7
June 26	Alabama	June 7
June 29	Reading, Pa.	June 7
July 3	Alabama	June 7
July 31	La Center, Wash.	May 3
Nov. 30	Sydney, Australia	Apr. 19
	Adv. Apr. 19, May 3 and June 7.	

DAMS

June 20	Ft. Collins, Colo.	May 31
	Adv. May 31 and June 7.	

EXCAVATION, DRAINAGE, IRRIGATION

June 11	Minneapolis, Minn.	May 31
June 12	Albert Lea, Minn.	May 24
June 15	Alexandria, Minn.	May 31
June 15	Albert Lea, Minn.	Apr. 12
June 26	Savanna, Ill.	June 7
	Adv. June 7.	

RAILWAYS

June 12	Ontario	June 7

STREETS AND ROADS

June 8	Perry, N. Y.	June 7
June 11	Wash., D. C.	June 7
June 11	Oakland, Calif.	June 7
June 11	Cloquet, Minn.	June 7
June 11	Los Angeles, Calif.	May 24

Bids Close		See Eng. News-Record
June 11	Adrian, Mich.	May 31
June 11	Minneapolis, Minn.	May 31
June 11	Chicago, Ill.	June 7
June 11	New Ulm, Minn.	June 7
June 11	Utah	June 7
June 12	West Virginia	May 24
June 12	Pottsville, Pa.	May 24
June 12	University (St. Louis P. O.), Mo.	May 24
June 12	Washington	May 24
June 12	Maryland Adv. May 31 and June 7.	May 31
June 12	East Grand Forks, Minn.	May 31
June 12	Stockton, Calif.	May 31
June 12	Sac City, Ia.	May 31
June 12	Le Mars, Ia.	May 31
June 12	Wisconsin	June 7
June 12	St. George, N. Y.	June 7
June 12	Massachusetts	June 7
June 12	Upper Arlington (Columbus P. O.), O.	June 7
June 12	Quebec	June 7
June 12	Eureka, Calif.	June 7
June 12	Gonzales, Tex.	June 7
June 12	Elkhorn, Wis.	June 7
June 12	Colorado	June 7
June 12	South Dakota	June 7
June 13	Brooklyn, N. Y.	June 7
June 13	New York, N. Y.	June 7
June 13	Baltimore, Md.	June 7
June 13	Delaware	May 31
June 13	Saskatchewan	June 7
June 14	Bradentown, Fla.	May 31
June 14	Centerville, Ia.	May 31
June 14	Sandwich, Ill.	May 31
June 14	Sumter, S. C.	June 7
June 14	Bradentown, Fla.	June 7
June 15	East Cleveland (Cleveland P. O.), O.	May 24
June 15	Hudson, N. Y. Adv. June 7.	June 7
June 15	Ebensburg, Pa.	June 7
June 15	New York Adv. June 7.	June 7
June 15	Brenham, Tex.	June 7
June 15	Orangeburg, S. C.	June 7
June 15	Quebec	June 7
June 15	New York, N. Y.	June 7
June 15	Ohio	June 7
June 16	Illinois	May 31
June 18	Port Jervis, N. Y. Adv. June 7.	June 7
June 18	Seattle, Wash.	June 7
June 18	Utah	June 7
June 18	Columbus, O.	June 7
June 19	East Aurora, N. Y. Adv. June 7.	June 7
June 19	Maryland Adv. June 7.	June 7
June 19	Alabama	June 7
June 19	Stark, Fla.	June 7
June 19	Panama City, Fla.	May 31
June 19	East Liverpool, O.	May 31
June 19	Trenton, N. J. Adv. June 7.	June 7
June 19	Louisiana	June 7
June 19	Ohio	June 7
June 20	Freehold, N. J. Adv. May 31 and June 7.	May 31
June 20	Kentucky	June 7
June 21	Newton, N. J. Adv. May 31 and June 7.	June 7
June 22	Williamson, W. Va.	May 31
June 22	Tennessee	June 7
June 25	Washington	May 31
June 26	St. Louis, Mo.	May 31
June 26	Alabama	June 7
June 26	Trenton, N. J.	June 7
June 29	Henderson, Ky.	June 7
July 3	Alabama	June 7

INDUSTRIAL WORK

June 10	Baltimore, Md.	June 7
June 12	St. Paul, Minn.	June 7
June 12	Lecompte, La.	May 24
June 18	Walkerton, Ont.	May 31
June 27	Orient, O.	June 7

BUILDINGS

June 11	Southmont, Pa.	May 31
June 11	Emporia, Kan.	May 31
June 11	Leavenworth, Kan.	June 7
June 12	New York, N. Y.	June 7
June 12	Denver, Colo.	May 24
June 12	Lansing, Mich.	May 31
June 12	Raleigh, N. C.	May 31
June 12	Phelps, N. Y.	May 31
June 12	Confluence, Pa.	June 7
June 12	Baltimore, Md.	June 7
June 12	Duluth, Minn.	June 7
June 12	North Bay, Ont.	June 7
June 13	West Allis, Wis.	June 7
June 14	Asbury Park, N. J.	June 7
June 14	Nashville, Tenn.	May 31
June 15	Clearwater, Fla.	May 24
June 15	Pawhuska, Okla.	June 7
June 15	Verona, Wis.	June 7
June 18	Cleveland, O.	May 31
June 18	Jamestown, N. Y.	June 7
June 18	Viroqua, Wis.	June 7
June 21	Springfield, Mass.	June 7
June 21	Newark, N. J.	May 24
June 21	Dennison, Tex.	June 7
June 21	Paw Paw, Mich.	June 7
June 25	Grand Rapids, Mich.	June 7
June 26	Birmingham, Ala.	June 7
June 27	Gallipolis, O.	June 7
June 28	Grand Rapids, Mich.	June 7
June 30	Louisville, Ky.	June 7
July 1	Athens, O.	May 24
July 3	Norwich, Conn.	June 7
July 6	Virginia, Minn.	June 7
July 15	Astoria, Ore.	June 7

FEDERAL GOVERNMENT WORK

June 11	Dike—New York, N. Y.	May 10
June 11	Breakwater — Marquette, Mich.	May 31
June 11	Hangars—Middletown, Pa.	June 7
June 13	Stack—St. Cloud, Minn.	May 17
June 13	Hospital—St. Cloud, Minn.	May 31
June 13	Roads and Walks—St. Cloud, Minn.	May 31
June 13	Service Extensions—San Diego, Calif.	May 31
June 15	Piping—Perryville, Md.	May 31
June 15	Recreation, etc. — Dawson Springs, Ky.	May 17
June 15	Nurses Quarters—New York, N. Y. Adv. May 24 to June 7.	May 24
June 15	Lumber — Chattanooga, Tenn.	June 7
June 18	Remodeling — Geneva, N. Y.	May 31
June 18	Additions and Alterations — El Paso, Tex. Adv. June 7 .	June 7
June 19	Lumber—Wash., D. C.	June 7
June 19	Dredging—Providence, R. I. Adv. May 24 to June 7.	May 24
June 19	Dredging — Wilmington, N. C. Adv. May 24 to June 7.	May 24
June 19	Remodeling—Baton Rouge, La.	May 24
June 20	Dredging, etc. — Buffalo, N. Y. Adv. May 24 to June 7.	May 24
June 20	Dredging—Norfolk, Va.	May 24
June 20	Remodeling — Huntsville, Ala.	May 24
June 20	Post Office — Pratt, Kan.	May 31
June 20	Lumber—Baltimore, Md.	June 7
June 21	Mailing Shed—Monroe, La.	May 31
June 22	Jetty—Galveston, Tex. Adv. May 24 to June 7.	May 24
June 22	Extension—Pensacola, Fla.	June 7
June 23	Valves, etc. — Florence, Ala. Adv. May 24 to June 7.	May 24
June 25	Dredging—Detroit, Mich. Adv. May 31 and June 7.	May 31
June 25	Dredging, etc. — New York, N. Y. Adv. May 31 and June 7.	May 31
June 25	Refrigerating Machinery — Pearl Harbor, H. T.	May 31
June 25	Extension—Niagara Falls, N. Y.	June 7
June 25	Extension — Anniston, Ala. Adv. June 7.	June 7
June 27	Sewer Extension — Chicago, Ill.	June 7
July 18	Fire Protection System — Pearl Harbor, H. T.	May 31
July 18	Storage Facilities — Pearl Harbor, H. T.	June 7

MISCELLANEOUS

June 11	Paving Blocks — New York, N. Y.	June 7
June 11	Materials—St. Paul, Minn.	June 7
June 11	Street Lighting System — Shorewood (Milwaukee P. O.), Wis.	June 7
June 12	Dikes, etc.—Missouri	May 24
June 12	Stone Crusher Plant—Trenton, N. J.	May 31
June 13	Structural Steel—Rapid City, S. D.	June 7
June 14	Pier and Wharf—Charleston, S. C. Adv. May 24 to June 7.	May 24
June 16	Breakwater — Rockport, Tex. Adv. June 7.	June 7
June 16	Tunnel—Orient, O.	June 7
June 18	Dock and Boat Basin — Sanford, Fla.	May 31
June 18	Ornamental Lighting System—Williamsport, Pa.	May 31
June 25	Dock Front, etc.—Conneaut Harbor (Conneaut P. O.), O. Adv. June 7.	June 7
June 26	Subway—Phila., Pa. Adv. May 31 and June 7.	May 31
June 26	Tunnel—New York, N. Y. Adv. May 31 and June 7.	June 7
June 29	Steam Heating Plant—Wautoma, Wis.	May 31
Feb. 28	Headworks — Wellington, New Zealand	May 24
July 2	Sea Wall — Vicksburg, Miss. Adv. May 31.	June 7

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Hartford—Bd. Water Comrs. plans laying 6 and 8 in. c.i. mains in West Point Terrace, Grandview, Waverly, South, Preston, Magnolia and Doner Sts. $35,000. C. M. Saville, 1029 Main St., engr.

N. Y., Waterloo—Waterloo Preserving Co. plans 3½ mi. mains from here to Seneca Falls. $15,000. Engineer not announced.

Ind., Kendallville — See "Industrial Works."

Wis., Prairie du Chien, Wis.—See "Miscellaneous."

Minn., Faribault—See "Sewers."

N. D., Fargo—Plans mains in Hole's addition. $30,000. A. T. Jacobson, city engr.

Wyo., Casper—June 26, to vote on $200,000 bonds for waterworks incl. 1 mg reservoir $75,000, mains, etc., $125,000, also $75,000 for storm sewers. F. S. Knittle, city engr.

Tex., Ballinger—City Com. making plans and soon takes bids new mains, etc. $35,000. J. Pirie, city engr.

Tex., Ft. Worth—Soon takes bids 12 mg. pump, miscellaneous machinery, for Holly pumping plant. $80,000. D. L. Lewis, city engr.

Mo., Holden—June 12, to vote on $75,000 bonds waterworks improvements, incl. rebuilding present dam, new filtration plant and pumping station, extensions to water mains and laterals. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs. Noted Jan. 25.

Okla., Nowata—Defeated $112,000 bonds for completion of waterworks system. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted May 31.

Calif., Alhambra—Plans election to vote on approximately $150,000 bonds or more constructing wells, pipe lines, reservoirs and other improvements to water works system. T. B. Downer, city engr.

Calif., Corte Madera—See "Miscellaneous."

Calif., Modesto—Modesto Irrigation Dist., 823 11th St., plans to vote on $57,000 bonds for 26 pumping plants and pipe, artesian wells, pipe line, Davis-Curtiss drains, open drains, equipment, etc. P. Jones, ch. engr.

Ont., Huntsville—Town plans chlorination plant in connection with water supply. $25,000. T. M. Cullon, clk.

Ont., Oshawa — City will purchase 300 water meters and 25 hydrants in connection with water works extension. W. C. Smith, City Hall, engr.

Ont., Renfrew—Plans to purchase 1,700 ft. 6 in. and 650 ft. 4 in. c.i. pipe, four 6 in. and three 4 in. gate valves, 3 hydrants, 1 ton pig lead, for Water Dept. J. R. Stewart, city engr.

Ont., Toronto—City plans 12,500 ft. 6 in. c.i. mains in Avenue Rd., Burnaby, Orchard View, Willowbank and Strathmore Blvds., Oriole Parkway, Ainslee and Heather Sts., Hosedale Heights Dr., Errington, Glenview, Davisville, Hillsdale and Alberta Aves. $38,139. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Brooklyn—June 15, by N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York, mains and appurtenances to cross-connect and set additional valves on existing mains in various streets in East New York Sect., here.

N. Y., Fairport—June 20, rapid sand rein.-con. filter plant, furnishing and hauling, etc., 10 mi. 12 in. and 1 mi. 16 in. pipe, constructing 30 ft. standpipe and 2 earthen dams. J. P. Wells, Cutler Bldg., Rochester, consult. engr.; adv. this issue. Noted May 31.

Ind., Evansville—City Council taking bids and opens same about July 1, extending water filtration plant, rein.-con. and brick buildings, c.i. mains, etc. Alvord, Purdick & Howson, 1417-18 Hartford Bldg., Chicago, engrs. Noted May 24.

Wis., Little Chute—June 19, 11,404 ft. 6-12 in. pipe, 20 hydrants, valves, etc., 71 tons special castings, one 100,000 gal. rein.-con. reservoir, pumphouse, one 100,000 gal. steel tank on 100 ft. tower, and two 2 stage centrifugal pumps, 500 g.p.m. $50,000. A. E. McMahon, Menasha, engr.

Wis., Milwaukee—June 15, at office Dept. Pub. Wks., erection and completion of gate house and laying distribution system in

Waterworks (Continued)

front of Riverside Pumping Station. R. E. Stoelting, comr.

Minn., Duluth—June 25, by G. P. Phillips, city comr., extending water and gas mains in 90th Ave. W., 88th Ave. W., Swenson and Keene Aves. $30,000. H. G. Fischer, Water and Light Dept., engr.

Minn., Elbow Lake—June 15, 1 centrifugal pump and motor for Water Dept. J. E. Bonner, Sauk Center, engr.

Okla., Woodward—June 12, by S. J. Dohrer, water works system, incl. steel storage tank, 6 wells, 3,000 ft. 8 and 10 in., 1,000 ft. 12 in. and 18,900 ft. 16 in. c.i. pipe, etc. $175,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Que., Montreal—June 11, by Chairman Executive Com., City Hall Annex, for 6 m.g. pumping unit, for Notre Dame de Grace Station.

Que., Verdun—City receiving bids 16 in. mains in 1/3 mi. Relelle Ave. from La Salle Rd. to Verdun Ave. $25,000. W. Hadley, city engr.

BIDS RECEIVED

Me., Portland — Portland Water Dist., May 22, new conduit, Sebago Lake, Sect. 1, (a) using 54 in. pre-cast concrete pipe (b) using 54 in. riveted plate steel pipe, from A. S. Merrill, 20 Garden St., Bath, (a) $29,685 (b) $29,737, Merritt, Chapman & Scott Co., 292 Paquot Ave., New Haven, Conn., (a) $53,330 (b) $49,877, F. A. Rumery Co., 21 Portland St., Portland, (a) $84,784 (b) $80,740; Sect. 3 Forgione & Romano Co., 96 Walnut St., South Portland, (a) $40,438 (b) $39,498, G. M. Bryne, 31 Church St., Winchester, Mass., (a) $62,014 (b) $59,164, F. A. Rumery Co., 21 Portland St., (a) $63,350 (b) $59,550; Sect. 2, from G. M. Bryne, 31 Church St., Winchester, Mass., $199,119, F. A. Rumery Co., 21 Portland St., $137,314, C. R. Gow Co., 80 Boylston St., Boston, Mass., $247,053; pipe, total straight bid, from Riter-Conley Co., 68 Devonshire St., Boston, $50,892, Newark Concrete Pipe Co., 469 Broad St., Newark, N. J., $58,313, Lock Joint Pipe Co. Ampere, N. J., $57,989. Noted Apr. 26.

Md., Baltimore—Mayor and City Council, May 31, two 8 m.g. motor driven centrifugal pumps and electrical equipment for Druid Pumping Station, from DeLaval Steam Turbine Co., North Clinton St. and Pennsylvania R.R., Trenton, N. J., $23,125 (compensation method), and $25,625 (motor method). Noted May 24.

O. Cleveland—Coagulation basins at Baldwin filtration plant, 2,812,000 lb. reinforcing, 40,000 cu.yd. concrete, 21,800 cu.yd. earth excav., 85,000 cu.yd. backfill, from Stange-Walsh Constr. Co., Baldwin Rd., $1,439,000. Noted May 3.

O., Cleveland—Cuyahoga Co., 21,300 ft. 12 in. c.i. mains in Impvt. 28 Co. Sewer Dist., from D. Pfahl & Co., Berea Rd., $120,521. Noted May 17.

CONTRACTS AWARDED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Constantia and 98th Places, Alstyne, Corona, Colonial, Lenox, Lewis, Marlowe and Way Aves., Bronson, Granger Martense, Middagh, Saultell, Waldron, Vandoran, 41st and 45th Sts., here, to J. A. Gregory, 351 East 124th St., New York, $14,400; in McClellan and Murrison Places, Anable, Ditmars, Potter, 7th, 8th, Anable and Nelson Aves., etc., to Paino & Grippo, 32 Court St., Brooklyn, $13,800. Noted May 31.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Unionport, Gun Hill and White Plains Rds., Allerton, Fenton, Morgan, Mayflower, Newbold, Pierce, Plymouth, Rhinelander , Rombouts and Waterbury Aves., Mansion and Mead Sts., to Clementi Contg. Co., 1195 Spoffard St., $54,000. Noted May 31.

N. J., Freehold—Mayor and Boro Council, fuel oil engines, pumps, compressors, fuel oil tanks, and deepening several wells, to Ingersoll-Rand Co., 11 Bway., New York City, $24,300. Noted Apr. 19.

O., Bedford—See "Sewers."

O., Columbus—See "Streets and Roads."

Ill., Canton—Artesian well, to Sewell Well Co., 901 Howard St., St. Louis, Mo., $21,285. Noted May 3.

Wis., LaCrosse — Cast iron mains in various streets, to Mankato Constr. Co., Mankato, Minn., (street address not available), $45,780. Noted May 17.

Wis., Wauwatosa — Rein-con. reservoir only, to Jacobus & Winding, 1 State St., $16,475. Noted May 10.

Ia., Coulter—To Wickes Eng. & Constr. Co., Polk Bldg., Des Moines, waterworks system, incl. 8 in. well 125 ft. deep, 1,580 lin.ft. 6 in. and 3,740 lin.ft. 4 in. c.i. pipe, 40,000 gal. steel tank and tower, pump, etc., $17,000. Engrs. est. $15,000. Noted May 3.

Ia., Traer—To C. W. Roland Co., 215 Good St., Des Moines, 80,000 gal. steel tank and 2.5 mi. 4-10 in. mains, $23,500. Noted May 3.

Tex., Eastland—For 1 m.g. daily capacity filtration plant, to Natl. Water Purifying Co., Kaufman, $18,500. Engrs. est. $20,000.

Tex., Ft. Worth—Mains and connections in 13th St., 36,000 lin.ft. 6-20 in. c.i. pipe, various valves, fittings, etc., to H. W. Greenway, 214 Hemphill St., Ft. Worth, $40,235. Noted May 24.

Wash., Seattle—Furnishing 30,175 ft. 8 in. Class C c.i. pipe for Water Dept., to U. S. Cast Iron Pipe Co., Colman Bldg., and Amer. Cast Iron Pipe Co., Hoge Bldg., $46,126.

Calif., Napa—City Council, constructing portion Milliken Canyon pipe line; furnishing riveted steel pipe to Sacramento Pipe Wks., R St., Sacramento, $42,500; valves to Mark-Lally Co., 2nd and Tehama Sts., San Francisco; miscellaneous castings to San Francisco Eng. Co., 322 6th St., San Francisco, $835. Rejected bids for trenching and backfilling; new bids. Noted Apr. 26.

Sewers

PROPOSED WORK

Conn., Hartford—Rejected bids 2,000 ft. 36 in. rein.-con., and 3,000 ft. 18 in. vitr. clay sewer, Granby St., to exceed $25,000; 1,000 ft. 45 in. rein.-con. and 1,000 ft. 15 in. vitr. clay sewer New Britain Ave., to exceed $25,000. Will readvertise.

Pa., Erie—Plans 11 sewer drains. $56,090. F. G. Lynch, city engr.

Pa., Erie—Plans sewers in Victory Park. $70,500. F. G. Lynch, city engr.

Pa., Sharon—Soon receives bids 2 sewage disposal plants to be built in 2 units. $200,000. L. E. Burnside, city engr. Noted Dec. 7.

Fla., St. Petersburg—City rejected bids for sanitary sewers in 1st Alley south, 1st Alley north and 2nd Alley north. R. D. Brodie, St. Petersburg, engr. Noted Apr. 19.

Ala., Birmingham—Takes bids about July 1, laying 2 mi. vitr. clay sanitary sewers in suburb of Ensley, at South 69th and 7th Sts., 52nd Pl., 4th and 10th Aves. $25,100.

Ala., Dothan—City sold $121,000 bonds sanitary sewers in eastern part of town and storm sewers in business section.

O., Canton—Stark Co. and cities of Canton and North Canton plan sewers and water mains from Canton to North Canton, and will serve intervening territory. $200,000. W. E. Sarver, City Hall, Canton, engr.

O., Bedford—For 8,000 ft. 8-16 in. vitr. clay sewers and 7,000 ft. 6 in. c.i. water mains in Columbus St., to W. B. Smith, 1350 West 89th St., Cleveland, $43,000. Noted May 31.

O., Columbus—See "Streets and Roads."

Ill., Rockford—Making plans sewers in 18th St. Dist. $60,700. B. C. Harvey, city engr.

Minn., Faribault—Plans storm sewer extensions, watermains and curbing. $38,000. A. W. Bedell, city engr.

Wyo., Casper—See "Waterworks."

Okla., Erick — Having plans prepared sewerage system and disposal plant. $60,000. C. T. Derr, 200 East Main St., Oklahoma City, engr.

Okla., Oklahoma City — Having preliminary plans prepared outfall sewerage system and disposal plant. Plans election to vote on $1,500,000 bonds for project. B. M. Hart, city engr.

Wash., Tacoma—Made plans trunk sewerage system in Gallagher Gulch Dist. $75,000. J. C. Manley, city engr.

Calif., Corte Madera—See "Miscellaneous."

Calif., Irvington—Irvington Sanitary Dist. had plans prepared sanitary sewerage system, $75,000 bonds voted. G. A. Posey, Courthouse, Oakland, engr.

Calif., Long Beach—Having plans prepared 24 in. sewers in various streets. $28,000. A. L. Ferver, Long Beach, engr.

Calif., Newark — Union Sanitary Dist. had plans prepared sewerage system. $75,000 bonds voted. G. A. Posey, Courthouse, Oakland, engr.

Calif., Niles—Niles Sanitary Dist. had plans prepared sewerage system. $65,000 bonds voted. G. A. Posey, Courthouse, Oakland, engr.

Calif., Santa Rosa — Having estimates made improving sewage disposal plant, incl. Imhoff tank, trickling filter plant, etc. To exceed $150,000. C. E. Smith, 716 Santa Barbara Rd., Berkeley, consult. engr.

Ont., Ft. William — City Council plans 12,000 ft. vitr. sanitary sewers, 8 in. up. $33,000. C. B. Symes, city engr.

Ont., Toronto—City Council plans storm sewerage system, known as Rosedale Heights Drainage System, in Clifton Rd., Rosedale Heights Dr., Swanick, Hudson, Errington and Maclennan Aves., 11,000 ft. 8-18 in. vitr. pipe. $30,000. R. C. Harris, city engr.

BIDS DESIRED

N. Y., East Aurora—See "Streets and Roads."

Pa., Erie—June 15 for Sewer Projects 1, 2, 3 and 5. F. G. Lynch, city engr.; adv. this issue.

Pa., Erie—June 19, for 11 sanitary sewers in Frontier Park Place subdivision. $77,000. F. G. Lynch, city engr.

Pa., Media—June 19, by Boro Council, 8,000 lin.ft. 5-12 in. terra cotta sewers and 1 section proposed sewage disposal plant. Remington & Vosbury, 601 Market St., Camden, N. J., engrs.; adv. this issue.

Md., Linthicum Heights—June 21, by Sanitary Comn. Anne Arundel Co., sanitary sewers. F. M. Warnken, chn.; adv. this issue.

Ill., Chicago — June 12, by Bd. Local Impvts., 207 City Hall, tile pipe sewers in West Randolph St., Essex, South Michigan and Phillips Aves., brick sewers in South Park, Cottage Grove, Kensington, South Ridgeway and South Lawndale Aves., East 116th and West 51st Sts. C. D. Hill, ch. engr.

Wis., Milwaukee—June 15, by Sewerage Comn., furnishing and delivering 2,900 wood piles, to be used in connection with sewage disposal plant. J. H. Fowles, 508 Market St., secy.

Wis., Watertown—June 12, by F. Weber, city clk., 8,986 ft. 8-15 in. sanitary and 1,397 ft. 10-33 in. storm sewers in various streets. A. Kraeft, City Hall, engr.

O., Dayton—June 12, by Montgomery Co. 87,365 lin.ft. 8-18 in. vitr. sewers in Sects. A, B and C Belmont Sanitary Sewer Dist. 1, 3,000 cu.yd. rock excav., 66,800 lin.ft. 6-10 in. vitr. sub-drain, etc.; 44,650 lin.ft. 8-15 in. vitr. sewer in Sects. A and B Overlook Sanitary Sewer Dist. 1, 19,500 lin.ft. 6-8 in. vitr. sub-drain, 1,000 cu.yd. rock excav., etc. $500,000. K. B. Allen, Keith Theatre Bldg., engr.

Kan., Sterling—June 11, sanitary sewers incl. 53,112 ft. 8-12 in. vitr. pipe, pumping plant complete with pit, building and pumps, etc. Ruckel Eng. Co., Hutchinson, engrs.

Que., St. Therese — June 18, by J. E. Blanchard, town secy. and treas., about 7 mi. sewerage system, also supplying of materials. $200,000. S. Quimet, 76 St. Gabriel St., Montreal, engr.

BIDS RECEIVED

N. J., East Orange — Mayor and City Council, May 28, 7,500 lin.ft. 24 and 30 in. sewer in William St., from C. Ippolito, 252 Main St., East Orange, $101,473. Noted May 24.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., 4,535 ft. sewer, (a) Falls Branch (b) Upper Potomac Interceptor Sewer, Sect. 5, from A. McCandlish, Wash. (street address not available), (a1) $1.25 (a2) $13.85 (a3) $40 (a4) $27; W. F. Cush, 3rd and R Sts., N. E., (a1) $1.95 (a2) $15.50 (a3) $40 (a4) $35 (b1) $3.60 (b2) $25.50 (b3) $45 (b4) $35; W. F. Brenizer Co., 101 New York Ave., N. E., (a1) $2.10 (a2) $17 (a3) $33 (a4) $40 (b1) $3 (b2) $22.50 (b3) $45 (b4) $35. Noted May 10.

Calif., Alhambra—Sewers on Birch, Main and Primrose Aves., etc., Sewer Dist. 2, 30,054 lin.ft. 8 in. vitr. pipe, etc. and on Almanson, Granada and Hidalgo Sts., etc., Sewer Dist. 4, 22,265 lin.ft. vitr. pipe, etc., from H. D. Churchill Co., 350 Merrick St., Los Angeles, $63,951 and $50,142.

Calif., Los Angeles—Sewers in J St. between Fries St. and Lagoon Ave., 12,885 lin.ft. 8 in. vitr. pipe sewers and 11,432 lin.ft. 6 in. vitr. house connections, etc., from M. C. Brkich, 1506 Pleasant Ave., $27,340.

CONTRACTS AWARDED

Md., Baltimore—Bd. Awards, 978 lin.ft. 10 in. and 3,858 lin.ft. 8 in. vitr. sewers, 3,552 lin.ft. house connections, 25 manholes, in Dist. 7-B, Contr. 193, to Catalano, Knickerbocker Bldg., $21,686. Noted May 24.

Fla., St. Petersburg — To Gedney & Murphy Co., 211 Lumber Exch., Minneapolis, Minn., storm water drains in West Central Ave. Dist. $91,726; Tangerine Ave. Dist. $41,481; 9th St. and Euclid Blvd. Dist. $97,691; 12th, 13th and Ridge Aves., Bayboro Dist. $64,403; 4th St. South and 5th St. South Dist. $25,289; 1st and Locust Sts., 17th, 13th and 16th Aves. Dist. $112,183, total $432,773. Noted Apr. 19.

Sewers (Continued)

O., Columbus—See "Streets and Roads."

Wis., La Crosse—Trunk sewers in various streets, to C. W. Noble, 206 State Bank Bldg., $69,379. Noted May 17.

Kan., Madison—Sanitary sewerage system and sewage disposal plant for entire city, 28,100 ft. 8-12 in. vitr. clay pipe, 2,000 cu.yd. rock trenching, Imhoff tank and filter, to C. J. McCoy, Emporia, $50,705. Noted May 17.

Tex., Ft. Worth—Storm sewers Jennings Ave., 1,015 lin.ft. 36 and 40 in. sewer, 900 cu.yd. earth, 470 cu.yd. solid and 400 cu.yd. loose rock excav., etc., Rio Grande Ave., 345 lin.ft. 40 in. sewer, 200 cu.yd. earth, 100 cu.yd. solid and 100 cu.yd. loose rock excav., etc., Rosedale St., 2,900 lin.ft. 8 in. sewer, 7,000 cu.yd. earth, 3,500 cu.yd. loose and 1,500 cu.yd. solid rock excav., to H. W. Greenway, 214 Hemphill St., $69,725.

Calif., Visalia—See "Streets and Roads."

Waste Disposal

PROPOSED WORK

Pa., Bradford—Plans election to vote on $25,000 bonds for garbage incineerator plant. Engineer not announced.

O., Euclid — Plans garbage crematory, steel and concrete. $64,050. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs. Building

Bridges

PROPOSED WORK

Mass., Ware—Hampshire Co. (Northampton) plans 50x60 ft. rein.-con. bridge, 16 ft., Belchertown Rd., here. $80,000. N. S. Hitchcock. Easthampton, chn. comn. Private plans.

Conn., East Hartford (Hartford P. O.) —J. Hoffman & Son, 85 Connecticut Blvd., having plans prepared 200 ft. rein.-con. trestle. $25,000. H. H. Beckanstein, 1029 Main St., Hartford, engr.

New Jersey—Atlantic Co. (Mays Landing) and Burlington Co. (Mt. Holly) will build 800 ft. concrete bridge over Mullica River. $80,000. A. H. Nelson, 636 Guarantee Trust Bldg., Atlantic City, and H. B. Smith, Mt. Holly, engrs.

S. C., Walhalla—Supervs. Oconee Co., rejected bids bridge over Tugaloo River connecting Oconee Co. and Stephens Co., Ga. $40,000. Bids will likely be called for again later in summer. Noted May 3.

Fla., Ft. Pierce—Ft. Pierce Finance & Constr. Co., retained Cunningham & Hallowes, civil engrs., Ft. Pierce, to prepare plans 8,000 ft. causeway and bridge across Indian River, wood with steel swing channel draw span, about 30% bridge and balance earth causeway. Noted May 10.

Tennessee—See "Streets and Roads."

Kan., Arlington—Reno Co., (Hutchinson) having preliminary plans prepared 500 ft. steel or rein.-con. bridge, over Arkansas River on Federal Aid Project 15, north of here. W. A. Stacey, Hutchinson, co. engr.

Kan., Independence — See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, plans one 40 ft. rein.-con. deck girder span, 2 rein.-con. abutments, Mercer Co.; fifteen 20 ft. rein.-con. slab spans, 16 rein.-con. pile bents, over overflow of Merramec River, St. Louis Co.; one 60 ft. steel truss and six 20 ft. rein.-con. slab spans, 6 rein.-con. pile bents, over 102 River, Buchanan Co.; three 120 ft. and two 200 ft. steel truss spans, etc. over Merramec River, St. Louis Co.; three 12 ft. and six 20 ft. rein.-con.. slab spans, over Grand River, Cass Co.; one 30 ft. I-beam span over ditch, one 20 ft. rein.-con. slab and one 50 ft. steel truss spans over Fenton Creek, St. Louis Co.; three 10 ft. rein.-con. slab spans over Spring Creek, Douglas Co.; three 80 ft. steel truss spans over 3rd fork of Platte River, Buchanan Co.; one 40 ft. rein.-con. deck girder span, Atchison Co.; one 100 ft. steel truss span, over Gladden Creek and one 50 ft. steel truss span over Spring Creek, Dent Co.; four 35 ft. rein.-con. deck girder spans, etc., over Bryant Creek, Douglas Co.; one 60 ft. steel truss and six 20 ft. rein.-con. slab spans over Platte River, Buchanan Co, B. H. Piepmeier, state highway engr.

Mo., Excelsior Springs—Plans viaduct on Bway. crossing Kansas City and Kimball Aves., also widening Thompson Ave. $130,000.

Tex., Brownwood—Brown Co. voted $35,000 bonds for bridge over Pecan Bayou, probably concrete. M. Nichols, Georgetown, engr. Noted May 17.

Wash., Aberdeen—Election soon to vote on $150,000 bonds for steel and concrete bridge over Wishkah River. E. G. Hunt, Aberdeen, engr.

Wash., Everett—Snohomish Co. rejected bids opened May 21, 220 ft. bridge, 20 ft. steel span, concrete floor and piers, across Stillaguamish River at Arlington. $50,000. Will readvertise. Union Bridge Co., Central Bldg., Seattle, engrs. Noted Apr. 19.

California—State Hy. Dept., Sacramento, plans Douglas Bridge, over Klamath River near Requa, Del Norte Co. $225,000. R. M. Morton, state highway engr.

California—State Hy. Dept., Sacramento, having plans prepared curved arch bridge on Skyline Blvd., San Mateo Co., 30 ft. roadway, 1,400 cu.yd. concrete, 275,000 lb. reinforcing. R. M. Morton, state highway engr.

Ont., Guelph—Wellington Co. soon takes bids two 12 ft. and one 14 ft. slab bridges, 20 ft. beam bridge, one 24 ft. and two 40 ft. concrete through truss spans, from 16 to 22 ft. wide. $50,000. A. W. Connor, 34 Victoria St., Toronto, engr. Noted Apr. 19.

BIDS DESIRED

N. Y., Fine—June 12 (change of date), at office of F. H. Kelly, town clk., two 140 ft. rein.-con. bridges, over Oswegatchie and Little Rivers. Concrete Steel Eng. Co., 41 Park Row, New York City, engrs. Noted May 24.

N. Y., Norwich—June 15, by S. C. Nelson, Jr., clk., joint bodies, town board of town of Norwich and common council of city of Norwich, City Hall, South Broad St. bridge over Canasawacta Creek. Former bids rejected. E. F. Musson, civil engr. Noted May 17.

N. Y., Schuylerville—June 9, by Bd. Village Trustees, rein.-con. bridge over Fish Creek. To exceed $25,000.

Pa., Reading—June 29, by J. P. Wanner, controller Berks Co., rein.-con. bridge over Schuylkill River, on Schuylkill Ave.; adv. this issue.

Pa., Mercer—June 14, by M. Wagstaff, clk. Mercer Co., building 6 bridges at various points, incl. three 32 ft. bridges, also rein.-con. and steel bridge on Chestnut St., Sharon. $50,000. F. P. Graham, Grove City, co. engr.

Alabama—June 26, by W. S. Keller, state highway engineer., Montgomery, bridges on Montgomery Andalusia Rd. north of Luverne, Crenshaw Co., alternate bids on (1) using treated timber, 142,086 ft. treated timber structures, 6,790 lin.ft. treated timber piles, 1,244 sq.yd. 1½ in. bituminous surfacing, cold mix (2) using concrete, 1,127 cu.yd. concrete, 118,067 lb. reinforcing, 5,860 lin.ft. concrete piles; 605 ft. concrete bridges on road from Etowah Co. line to Jefferson Co. line, St. Clair Co., 1,334 cu.yd. concrete, 202,274 lb. reinforcing, 413 sq.yd. 1 in. concrete surfacing, 1:2:3.2 mix, etc.

Fla., Bradentown—See "Streets & Roads."

Alabama—July 3, by W. S. Keller, state highway engr., Montgomery, 612 lin.ft. concrete bridges on Oneonta-Village Springs Rd., Blount Co., 1,316 cu.yd. concrete, 165,234 lb. reinforcing, 1,344 cu.yd. excav., etc.

Alabama — June 19, by W. S. Keller, state highway engr., Montgomery, 1,388 ft. bridges on Demoplis-Millers Rd., Marengo Co., one 102 ft. steel span, alternate bids on (1) using treated timber, 287,634 ft. treated timber, 12,984 lin.ft. treated timber, piles, etc., (2) using concrete, 2,045 cu.yd. concrete, 325,651 lb. reinforcing, etc.

Tennessee—See "Streets and Roads."

Ohio—See "Streets and Roads."

Ill., Chicago—June 11, at office of H. A. Zender, supt. Pub. Serv., Cook Co., rein.-con. substructure for Burnham Bascule Bridge, Sect. 28-15 D, on Torrance Ave., Burnham, $190,000; 5 span, rein.-con. Touhy Bridge, Sect. 109, 15-D, over Des Plaines River on Touhy Ave., Maine Twp. $41,100. Noted May 31.

Ia., Clarinda—June 15, by Auditor Page Co., 41 concrete box and 29 circular culverts, 4 culvert extensions, 7 I-beam spans and 2 pony trusses. I. H. Taggart, Clarinda, co. engr.

South Dakota—See "Streets and Roads."

Utah—See "Streets & Roads."

Wash., Omak — June 20, by Comrs. Okanogan Co. (Okanogan), 5 span arch bridge, 408 ft., 20 ft. roadway with 5 ft. walks, over Okanogan River, here. D. C. Warfel, Okanogan, engr.

Calif., San Leandro—June 11, by Supervs. Alameda Co. (Oakland), widening bridge over San Leandro Creek on East 14th St., 1,000 cu.yd. grading and excav., 700 cu.yd. concrete, 38,000 lb. reinforcing, 2,800 sq.ft. concrete and asphaltic concrete pavement, 800 sq.ft. asphaltic wearing surface, etc. $25,000. G. A. Posey, Oakland, co. surv.

Saskatchewan—June 11, by Dept. Hys. Regina, rein.-con. culvert and spillway, near Brora, 60 ft. rein.-con. suspended arch, near Wilcox, 40 ft. rein.-con. beam span, near Esterhazy. H. S. Carpenter, deputy minister of highways.

BIDS RECEIVED

Wis., South Milwaukee—See "Streets and Roads."

Ill., Edwardsville — See "Streets and Roads."

Wash., Seattle—King Co., May 21, rein.-con. bridge across Lake Washington, con-

SEWERS—RIVERSIDE, CALIF.

Following are lowest three bids opened by city, Apr. 24, for installing sewerage system. (A) H. D. Churchill Co., 350 Merrick St., Los Angeles (awarded contract); (B) C. E. Green, 416 Western Mutual Life Bldg., Los Angeles; (C) DeWaard & Cobham, Granger Bldg., San Diego. The unit bids were as follows:

	A	B	C
25,372 lin.ft. 6 in. vitrified pipe	$0.75	$1.00	$1.10
9,149 lin.ft. 8 in. vitrified pipe	.87	1.05	1.20
3,547 lin.ft. 10 in. vitrified pipe	.98	1.42	1.35
667 lin.ft. 12 in. vitrified pipe	1.50	1.68	1.45
4,196 lin.ft. 15 in. vitrified pipe	1.75	1.89	1.80
2,595 lin.ft. 18 in. vitrified pipe	2.25	2.46	3.50
2,636 lin.ft. 24 in. vitrified pipe	2.90	3.53	5.64
3,965 lin.ft. 18 in. reinforced-concrete pipe	3.56	5.00	4.35
3,965 lin.ft. 22 in. reinforced-concrete pipe	4.16	5.60	5.00
829 6 in. wye branches	1.60	2.97	1.53
128 8 in. wye branches	2.50	3.95	2.09
92 type "A" manholes	75.00	84.00	84.00
23 cleanouts	50.00	14.00	20.00
Sludge basin (lump sum)	2,519.00	1,917.30	1,100.00
3 reinforced-concrete boxes	250.00	498.40	450.00
600 ft. reinforced-concrete syphon on piling	35.82	21.00	49.00
Extended totals	$117,348	$133,802	$154,906

SEWERS—POTTSTOWN, PA.

Following are lowest three bids opened by Borough, Apr. 7, for constructing sanitary sewers, (A) D. H. Whitmer, Hagerstown, (awarded contract); (B) B. G. Coon Constr. Co.; (C) D. J. O'Rourke. The unit bids were as follows:

	A	B	C
18,740 cu.yd. earth excavation, 0-4 ft.	$1.10	$1.50	$2.25
8,794 cu.yd. earth excavation, 4-8 ft.	1.10	2.30	2.25
509 cu.yd. earth excavation, 8-12 ft.	2.00	3.00	3.00
28 cu.yd. earth excavation, 12-16 ft.	3.00	4.00	5.00
453 cu.yd. rock excavation, 0-4 ft.	3.00	3.00	3.00
2,856 cu.yd. rock excavation, 4-8 ft.	4.00	4.60	5.00
494 cu.yd. rock excavation, 8-12 ft.	6.00	7.00	6.00
46 cu.yd. rock excavation, 12-16 ft.	10.00	8.70	10.00
25,000 ft. 4 in. vitrified sewer	.35	.30	30
19,100 ft. 6 in. vitrified sewer	.40	.50	40
3,535 ft. 8 in. vitrified sewer	.60	.65	55
330 ft. 10 in. vitrified sewer	.90	.90	80
2,350 ft. 12 in. vitrified sewer	1.10	1.10	1.00
1,310 ft. 15 in. vitrified sewer	1.50	1.45	1.30
1,425 ft. 18 in. vitrified sewer	2.20	1.90	1.80
200 ft. 6 in. vertical pipe for lampholes	.50	.50	1.50
100 cu.yd. concrete	14.00	16.00	18.00
92 brick manholes	110.00	90.00	165.00
5 M. ft. b.m. lumber	40.00	85.00	70.00
5 tons cast iron pipe	100.00	100.00	100.00
Extended totals	$86,409	$106,072	$124,776

Bridges (Continued)

necting Mercer Island with mainland, from J. R. Wood, 1733 Horton Ave., $43,990. Noted Feb. 8.

Calif., Los Angeles—Rein.-con. bridge over Pacoima Wash at Mulholland St., two 85 ft. arch spans, 24 ft. roadway, (a) lump sum for arch centers (b) lump sum for steel roads in place (c) 495 cu.yd. Class A concrete (d) 253 cu.yd. Class C concrete (e) 681 cu.yd. Class D concrete (f) 2,500 cu.yd. earth filling, from de Waard & Cobham, Granger Bldg., San Diego, (a) $1,300 (b) $2,525 (c) $16 (d) $17.50 (e) $15.90 (f) $0.80; Davison & Nicolsen, 180 Jessie St., San Francisco, (a) $2,798 (b) $2,400 (c) $20 (d) $21.50 (e) $13.60 (f) $1; W. M. Ledbetter & Co., Pacific Electric Bldg., (a) $3,000 (b) $2,400 (c) $18.40 (d) $18.40 (e) $18.40 (f) $0.80.

CONTRACTS AWARDED

N. J., Newark—G. C. Bergen, purch. agt. Essex Co., Court House, extending present 12 ft. single arch brown stone bridge by means of 12 ft. single span, rein.-con. flat slab, also removing two 12 ft. rubble masonry arches and replacing with 28 ft. single span I-beam encased in concrete, to F. W. Shrump, Eagle Rock Ave., West Orange, $21,423. Noted May 17.

O., Bedford—C. F. Miller, 150 ft. timber trestle with coal hoppers, to A. B. Cook, 5810 Clinton Ave., Cleveland. Engrs. est. $35,000.

Illinois—See "Streets and Roads."

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, following bridges: 1 rein.-con., Route 25, Federal Aid Project 61, Sect. 32-B Ford Co., to G. C. Fairclo, Lincoln, $13,900; 3 rein.-con., Route 42, Sect. 112, Cook Co., to E. E. Herdman, Winnetka, $125,554; 1 rein.-con., Route 44, Federal Aid Project 68, Sect. 19 B, Will Co., to Joliet Bridge & Constr. Co., Joliet, $18,194; 1 rein.-con., Route 17, Federal Aid Project 69, Sect. 1-B, Kankakee Co., to Porter-McCulley Constr. Co., Mackinaw, $44,524. Noted Mar. 29.

Ia., Decorah—Winneshiek Co., to J. W. Quinn, Waukon, 12 box culverts, $8,995; J. A. Dunkel, Webster City, one 2 span I-beam bridge, $19,620; Word & Teslow, Decorah, 2 box culverts and 1 truss floor, $1,133.

Minn., Red Lake Falls—Red Lake Co., Bridge 3986, 171 ft. truss span with two 60 ft. approach spans, to Minneapolis Bridge Co., 924 Metropolitan Life Bldg., Minneapolis, $32,000. Noted May 3 under "Streets and Roads."

South Dakota—See "Streets and Roads."

N. D., Minot—Ward Co., concrete bridge on Project 181, 72,893 lb. reinforcing, 891.6 cu.yd. concrete, to J. J. Rue & Son, Minot, $27,579.

Missouri—State Hy. Dept., Jefferson City, one 70 ft. steel truss and two 35 ft. rein.-con. deck girder spans, Texas Co., and two 70 ft. steel truss spans, Ripley Co., to Missouri Bridge & Iron Co., Fullerton Bldg., St. Louis, $20,675 and $20,740 respectively; one 26 ft. steel, three 16 ft. and three 20 ft. rein.-con. slab spans, St. Clair Co., to A. A. Davis Co., Grain Exch. Bldg., Oklahoma City, Okla., $8,880; three 20 ft. rein.-con. slab spans, Saline Co., to H. H. Hanenkratt, Kansas City (street address not available), $7,606; three 40 ft. 1-beam spans, Pemiscot Co., to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., $9,668; one 40 ft. rein.-con. deck girder span and two 10 x 12 ft. rein.-con. box culverts, Platte Co., to Land Constr. Co., Ballinger Bldg., St. Joseph, $10,787. Noted May 31.

Mo., Clayton—See "Streets and Roads."

Calif., Santa Rosa—Rein.-con. slab and girder bridge, over Santa Rosa Creek on A St., from J. Kristich, King City, $24,980. Noted May 17.

Dams

PROPOSED WORK

Calif., Oakdale—Oakdale and South San Joaquin Irrigation Dist. defeated $112,000 bonds to purchase dam site. Noted May 7.

Calif., Santa Barbara—See "Excavation, Drainage, Irrigation."

BIDS DESIRED

N. Y., Fairport—See "Waterworks."

Railways

PROPOSED WORK

Florida — Florida East Coast Ry., 120 Bway., New York City, plans 15 mi. road to Pahokee as an extension of 20 mi. road already under contract for new line from Okeechokee to Miami. W. G. Brown, St. Augustine, Eng. M. W. H. R. Rodenbaugh, St. Augustine, genl. mgr.

Ohio—Lima & Defiance R.R., Lima, plans rebuilding line between Lima and Defiance, to include new rails, ties and cars, improving all stations along line, and extension of service into heart of Defiance. $110,000. C. G. Taylor, c/o owner, vice pres.

California—Atchison, Topeka & Santa Fe R.R. Co., Kerckhoff Bldg., Los Angeles, had plans prepared constructing single track line between San Pedro and Los Angeles. R. B. Ball, Kerckhoff Bldg., Los Angeles, ch. engr.

Ontario—Hamilton Street Ry., 129 James St., N. Hamilton, plans to lay new tracks, $45,000. E. P. Coleman, c/o owner, engr.

BIDS DESIRED

Ontario—June 12, by at office of Secretary Treasurer, Nipissing Central Ry., North Bay, constructing roadbed, ready for ties, rails and track-laying, ballasting and fencing on 25 mi. branch from Swastika to point near Larder Lake. S. B. Clement, ch. engr. Noted May 17.

CONTRACTS AWARDED

Minnesota—Duluth Street Ry. Co., 2631 West Superior St., Duluth, will extend street railway 4,631 ft. and double track 2,051 ft. in 8th St., from 13th Ave. E. to intersection of Woodland Ave. and Kent Rd., by day labor. $50,000. J. Carson, ch. engr.

Mexico — Southern Pacific R.R. Co., Southern Pacific Bldg., San Francisco, Calif., constructing 85 mi. roadway for railroad and tunnels from La Quemada to Tepis, here, to Utah Constr. Co., Phelan Bldg., San Francisco, Calif., $6,000,000. Rails will be laid by owners.

Excavation, Drainage Irrigation

PROPOSED WORK

Wis., Prairie du Chien, Wis.—See "Miscellaneous."

Minn., Olivia—Renville Co. plans Co. Ditch 97, 45,000 lin.ft. tile, $20,000; Judicial Ditch 26, 21,000 lin.ft. tile, $6,900. E. L. Chamberlain, Olivia, engr.

Kan., Ottawa — Drainage Dist. 2 had plans prepared draining high water zone along Marais des Cygnes River. $250,000. Harrington Howard & Ash, Orear Leslie Bldg., Kansas City, Mo., engrs.

Tex., Edinburg — Hidalgo Co. Water Impvt. Dist. 4, voted $1,500,000 bonds to purchase and reconstruct Edinburg Irrigation Co.'s project, district includes 39,000 acres, ¼ of which is now in cultivation. W. L. Rockwell, supervising engr.

Calif., El Centro — Imperial Irrigation Dist. having surveys made drainage canal in Westmoreland Dist. To exceed $5,000,000. R. S. Carberry, El Centro, ch. engr.

Calif., Fresno — Stinson Irrigation Dist. will sell $360,000 bonds constructing canals, involving 150,000 cu.yd. excav.; sinking 10 wells; installing pumps, motors, etc. Quinton, Code & Hill, Hollingsworth, Bldg., Los Angeles, engrs. Noted Mar. 1.

Calif., Long Beach — Soon takes bids 900,000 yd. dredging in Long Beach Harbor channel.

Calif., Oroville—Table Mountain Irrigation Dist. plan election June 15, to vote on $125,000 bonds for irrigation work. J. M. Howells, 530 Bush St., San Francisco, ch. engr. S. J. Norris, Oroville, resident engr. Railways

Calif., Santa Barbara—Montecito County Water Dist., having plans prepared irrigation system, concrete, 150 acres, and 6,000 ft. tunnel, 135 ft. high, 300 ft. long on top and 50 ft. on bottom, 30 mi. pipe line. Leeds & Barnard, Central Bldg., Los Angeles, engrs.

Wash., Olympia—Thurston Co. to vote June 26, improving harbor, incl. channel 35 ft. deep, at low water with turning basin, also tideflat and fill.

BIDS DESIRED

Ill., Savanna — June 26, by Carroll Co. Drainage and Levee Dist. 1, at office of H. P. Greison, secy., pumping plant, also building to houseplant. Elliott & Harman Eng. Co., Peoria, engrs.; adv. this issue.

CONTRACTS AWARDED

N. Y., Brooklyn—J. H. Delaney, comr. Docks, Pier "A," foot of Battery Pl., North River, New York, dikes and dredging channel between Mill Basin and Paerdegat basin, Jamaica Bay, here. Contr. 1797, to Arundel Corp., foot of Fulton St., $172,220. Noted May 24.

Ky., Clifton Forge—Chesapeake & Ohio R.R. Co., 61 Bway., New York City, 2,000,000 cu.yd. excav. and fill for new yards, here, to Brooks Callaway Co., Forsyth Bldg. Atlanta, Ga. Cost to exceed $25,000.

Ill., Fairfield—Wayne Co., 843,000 cu.yd. levee and 571,000 cu.yd. ditch work in Union D.D., to Leeck Bros., Golden Gate. Noted May 3.

Wis., Manitowoc — Dredging Manitowoc River, to Fitzsimmons & Connell Dredge Co., 10 South La Salle St., Chicago, 23,000 cu. yd. hard pan $2.30 per cu.yd., 70,000 cu. yd. softer material $0.44. Noted May 24.

Wis., Manitowoc—Holy Family Hospital, Alverno, excavation for 4 story and basement, 52 x 248 ft., brick and concrete hospital, plain foundation, to Schuette Constr. Co., Manitowoc. See item under Buildings.

Streets and Roads

PROPOSED WORK

Conn., Hartford—High School Com. plans to grade and lay walks in vicinity of Weaver High School. To exceed $25,000. Address J. T. Henderson, 750 Main St., engr.

N. Y., Batavia—Plans paving Seaver Pl., Walnut and Jackson Sts., concrete or asphalt. $50,000. F. D. Emerson, city engr.

N. Y., Boonville—Voted $30,000 bonds concrete paving Charles and Schuyler Sts.

N. Y., Dolgeville—Plans election in June to vote on $30,000 bonds concrete paving Lamberson and Ransom Sts.

N. Y., Geneva — Plans paving various streets. $145,300. J. W. Brennan, city engr.

N. Y., Utica—Plans asphalt paving various streets. $180,000. R. S. Cookinham, city engr.

Pa., Ebensburg—Cambria Co. plans paving 4,200 ft. Knepper Mill Rd., Croyle Twp., brick, 16 ft., $30,000, 10,560 ft. Frankstown Rd. to Summerhill line, brick, 16 ft., $75,000, O. P. Thomas, Park Bldg. Johnstown, engr.; 16,136 ft. Wilfore Rd. Cambria Twp., Telford base and asphalt bound macadam, 16 ft., $120,000, 2 mi. Nicktown Rd. to Ebensburg, brick or concrete, 16 ft., $70,000. H. T. Jones, controller.

Fla., Titusville — Brevard Co. election June 19, to vote on $30,000 bonds constructing roads in new Special Road and Bridge Dist., from Georgiana to Tropic. A. F. Harley, Titusville, engr.

Ala., Birmingham — Takes bids about July 1, paving with 2 in. asphaltic concrete on 5 in. concrete, about ¾ mi. 5th Ave. and 40th St., 30 ft. $84,175.

Ala., Dothan—City sold $125,000 bonds grading and asphalt, paving various streets in business section; also plans sidewalks, $48,000.

Tennessee—State Hy. Dept., Nashville, plans to build, oil and surface, etc. 432.288 mi. roads in various counties, also build bridges over Sulphur Fork, Stones River and Caney Fork. J. G. Creveling, State Capitol, comr. Highways and Pub. Wks.

Tenn., Waynesboro — Wayne Co. soon takes bids grading, surfacing and bridging 12 mi. road from here to Lawrence Co. line, 16 ft., chert or gravel. $150,000. J. G. Creveling, Nashville, comr.

Kentucky—State Hy. Dept., Frankfort, having plans prepared grading 11.32 mi. Salyersville-Morgan Co. Line Rd., Magoffin Co.; 27.8 mi. Harlan-Whitesburg Rd., State Project 6, Harlan Co. J. S. Boggs, state highway engr.

O., Canton—Plans paving about 1 mi. 8th St. N. W., $40,000, and about 1 mi. 4th St. N. W., $42,000, both 20 ft. C. E. Sarver, City Hall, engr.

O., Canton—Stark Co. plans improving 3 mi. Canton-Massillon Rd., 18 ft., brick, $165,000. State appropriated $80,000 toward cost. G. L. Sickafoose, Court House, engr.

O., Cincinnati—Hamilton Co. withdrew advertisement for bids (to be opened June 8) grading and paving 60,000 sq.yd. Cleves and Warsaw Rds., Noted May 31.

O., Columbus — Making plans grading, laying necessary water services and sewer connections and paving 6,452 ft. Clinton Pl., Park St. S., Jaeger St., Findlay and Allen Aves., alley west of 11th St., brick, concrete or asphalt; 4,892 ft. 6-10 in. vitr. sewer, etc. in Rulen Ave., $9,698. R. H. Simpson, city engr.

O., Dayton—Plans paving 9,000 sq.yd. Summit St., brick on concrete, $45,814; 15,000 sq.yd. Superior Ave., wood block or sheet asphalt, $64,965; 4,000 sq.yd. Kumler Ave., brick, asphalt or concrete, $17,432. L. E. Houk, city engr.

Michigan—State Hy. Dept., Lansing, rejected bids grading and surfacing 5.3 mi. Project 65-6, Sect. A, Monroe Co. Noted May 17.

Michigan—State Hy. Dept., Lansing, rejected bids grading and surfacing 0.96 mi. State Trunk Line 34-6 and 1.407 mi. State Trunk Line Rd. 34-2, Sect. A, both 20 ft., Hillsdale Co. Noted Apr. 19.

Ill., Rockford—Plans paving Oxford and Brown Sts., warrenite, $29,300; Knight St. and 5th Ave., concrete. $25,660. B. C. Harvey, city engr.

Ill., Rockford—Winnebago Co. making plans concrete paving 4 mi. Seward Project. $115,000. A. R. Carter, Court House, engr.

Wis., Oconomowoc—Soon takes Bids 9,200 sq.yd. pavement, 2,500 lin.ft. concrete curb and gutter on Hickory and 2nd Sts., alternate bids on 1 course rein.-con., asphaltic concrete and vitr. brick, 2,500 lin.ft. concrete curb and gutter on South Main St. J. A. Stemper, City Hall, engr. Noted Mar. 1.

Streets and Roads (Continued)

Minn., Faribault—See "Sewers."

Kan., Hiawatha—Soon takes bids 20,000 sq.yd. paving, different types. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

Kan., Independence—Montgomery Co. was allotted $200,000 Federal aid for road between here and Cherryvale, gravel and macadam, also small bridges. L. R. Tillotson, c/o State Highway Comn., Topeka, engr.

Missouri—State Hy. Dept., Jefferson City, plans grading, etc. about 100 mi. roads, 30 ft. wide, in Stone, Dent, Iron, Worth, Shelby, St. Francis, Monroe, Atchison, Lafayette, Newton, Gasconade, Perry, DeKalb, Cass, Mercer, Barton, Douglas, Osage and Pettis Counties. B. H. Piepmeier, state highway engr.

Mo., Excelsior Springs—See "Bridges."

Tex., Coleman—Coleman Co. defeated $150,000 bond issue for roads in Precinct 1. W. E. Dickerson, co. engr. Noted Apr. 26.

Tex., Honey Grove—Fannin Co. (Bonham) soon takes bids grading and gravel surfacing 6 mi. Trenton Dist. 24. $25,000. P. B. Price, co. engr.

Tex., Memphis—Hall Co. election June 16 to vote on $200,000 bonds to grade, gravel surface, etc. Colorado-Gulf Highway and roads in Estelline Rd. Dist. A. C. Hoffman, co. judge. Engineer not selected.

Tex., Waxahachie — Ellis Co. election June 30 to vote on $750,000 bonds to construct 30 mi. State Highways 6 and 34, and improve 75 mi. lateral county roads. Total cost $1,150,000. State and Federal Aid to supplement funds. H. R. Stovall, co. judge. Engineer not selected.

Oklahoma—State Hy. Comn., Oklahoma City, election June 12, to vote on $625,000 bonds grading, bridging and paving 45 mi. roads in Noble Co. M. L. Cunningham, state highway engr.

Okla., Oklahoma City—Making plans paving 10 blocks various streets, different types. V. V. Long & Co., 1300 Colcord Bldg., engrs.

Ariz., Tucson—Making plans paving, laying curb and sidewalks on 1.75 mi. East 6th St. from Stone to Campbell Aves., 48 ft., 0.5 mi. West Franklin St.; paving 0.25 mi. West Congress St., 55 ft., alternate bids on various types pavement; grading, concrete curbing and building sewers 6.25 mi. Helen and Mable Sts, 80 ft. G. H. Atchley, city engr.

Wash. Mt. Vernon—Skagit Co. plans 5 mi. Anacortes Highway. $160,000 ($80,000 appropriated by State). F. Gilley, Mt. Vernon, engr.

Wash., Seattle—Rejected bids opened May 25, paving 3rd Ave. W., 28,420 sq.yd. 6 in. concrete, alternate bids on 4,780 sq.yd. 6 in. and 23,640 sq.yd. 7 in. concrete. Will readvertise. Engrs. est. $97,872 for 6 in. and $103,782 for 7 in. concrete.

California—State Hy. Dept., Sacramento, having plans prepared constructing 16 mi. highway in Yosemite Valley between Briceberg and El Portal. R. M. Morton, state highway engr.

Calif., Auburn—Plans to vote on $85,000 bonds paving streets. J. Blarieau, city engr.

Calif., Calistoga—Plans paving 25 blocks. $75,000.

Calif., Compton—Had plans prepared improving Wilmington St., 71,700 sq.ft. 5 in. concrete pavement, etc.; Acacia, Olive and Raymond Sts., 16,160 sq.ft. walks, 261,500 sq.ft. 5 in. concrete pavement, etc.; Myrrh St., 96,340 sq.ft. 5 in. concrete pavement, etc. E. M. Lyon, Central Bldg., Los Angeles, engr.

Calif., Corte Madera—See "Miscellaneous."

Calif., Merced—Soon takes bids grading, curbing, guttering and paving portions M, 25th and 26th Sts., 220,925 sq.ft. grading, 197,630 sq.ft. paving, 17,054 sq.ft. concrete gutter etc.

Calif., Modesto—Had plans prepared grading, concrete curbing, guttering, paving with 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, and installing Barbelite electroliers with conduits, etc., on portions of F and Hackberry Sts. To exceed $25,000. W. F. McCarton, city engr.

Calif., Redding—Having plans prepared concrete curbing, guttering and paving with 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete portions North, Trinity, Court and Oregon Sts., etc. To exceed $25,000. E. A. Rolison, Redding, engr.

Calif., Salinas—Had plans prepared grading, curbing, guttering and paving Maple, Chestnut and California Sts., 175,075 sq. ft. grading, 38,204 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete 117,621 sq.ft. 1½ in. warrenite bitulithic on 3 in. asphaltic concrete, etc.; West St., 46,345 sq.ft., grading, 43,461 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, etc.; A, B and C Aves., 34,912 sq.ft. grading, 31,824 sq.ft. waterbound macadam, etc. H. F. Cozzens, city engr.

Calif., San Bernardino—San Bernardino Co. will take new bids or postpone construction indefinitely for grading and paving with 8 in. oil macadam 5 mi. Bear Lake Rd. H. H. Lienau, contractor, 426 Brookside Ave., Redlands, refused to proceed with work questioning legality of contract. Noted May 10.

Calif., San Jose—Had plans prepared paving with 1½ in. warrenite bitulithic on 3 in. bituminous base, etc., San Pedro St., 30,564 sq.ft. concrete gutter, 25,567 lin.ft. concrete curb, etc. W. Popp, city engr.

Calif., San Jose — Had plans prepared curbing, guttering and paving 12th St. between Santa Clara and Julian Sts., 57,507 sq.ft. 3 in. Durite asphaltic concrete base with 1½ in. surface, etc. Vine St. between Balbach and Willow Sts., 108,003 sq.ft. pavement, etc. W. Popp, city engr.

Calif., Sausalito—Had plans prepared improving streets in 1st Dist., 14,000 cu. yd. excav., 110,000 sq.ft. 5 in. concrete pavement, 132,000 sq.ft. bituminous macadam, 15,000 lin.ft. granite rubble gutter, etc. Howe & Peters, 24 California St., San Francisco, engrs.

Ont., Ft. William—City Council plans 4 mi. concrete sidewalks. $25,000. C. B. Symes, city engr.

Ont., Ottawa—City Plans grading and paving Gladstone and Groves Aves., asphalt on concrete. $72,700. A. F. Macallum, City Hall, engr.

Ont., Peterboro—Soon takes bids improving George and Hunter Sts., 7,500 cu.yd. asphalt or concrete, 5,100 lin.ft. concrete curb and gutter, etc. $30,000. R. H. Parsons, City Hall, engr.

Ont., Toronto—Plans grading and concrete paving 1,200 ft. lanes, 20 ft., from Galley to Garden Aves. and from Constance to Marmaduke Sts. $25,000. R. C. Harris, city engr.

BIDS DESIRED

Massachusetts—June 12, by W. F. Williams, state highway engr., Boston, sand and asphalt surfacing 8 mi. highway, 20 ft., through Edgartown and West Tisbury, $80,000; bituminous macadam surfacing 22,130 ft. highway, 20 ft., in Brimfield, $25,000. Noted May 3.

New York—June 15, by F. S. Greene, comr. State Hy. Dept., Albany, reconstructing highways in Albany, Broome, Chenango, Herkimer, Jefferson, Madison, Montgomery, Orange and Saratoga Counties; adv. this issue.

N. Y., Brooklyn—June 13, by E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging Ave. I; laying sidewalks on Flatbush Ave.; curbing and laying sidewalks on West 25th St.

N. Y., East Aurora—June 19, by Bd. Village Trustees, grading, curbing and paving Fillmore Ave., brick asphalt or asphalt block, also storm sewer in Whaley Ave. G. C. Diehl, 575 Ellicott Sq., Buffalo, engr.; adv. this issue. Former bids rejected. Noted May 24.

N. Y., Hudson—June 15, by Comn. Pub. Wks., paving 39,000 sq.yd. streets, plain concrete and asphaltic concrete. M. J. O'Hara, city engr.; adv. this issue.

N. Y., New York—June 13, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving 70th, West 74th, East 73rd, East 63rd, West 71st, West 188th, West 189th and 114th Sts., sheet asphalt.

N. Y., New York—June 15, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and repaving with sheet asphalt on concrete, 57th St.; repaving with sheet asphalt on concrete, 6th St. from Avenue B to Lewis St., 6th St. from 1st to 2nd Aves., 7th, 12th, 15th and 57th Sts.

N. Y., Perry—June 8, concrete paving 2 streets. $50,000. R. H. How, village engr. Noted May 17.

N. Y., Port Jervis—June 18, by J. F. Cleary, city clk., constructing rein.-con. pavements; adv. this issue.

N. Y., St. George—June 12, by J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Castleton Ave., special granite block.

N. J., Newton—June 21, by Sussex Co., rein.-con. paving Mill St. in Sussex and Newton Stanhope Rd., Sect. 3 A, in Andover. H. Snook, Newton, co. engr.; adv. this issue.

N. J., Trenton—June 19, by Bd. of Freeholders Mercer Co., Court House, for 1.7 mi. 8 in. rein.-con. road. H. F. Harris, Court House, engr.; adv. this issue.

N. J., Trenton—June 26, by Freeholders Mercer Co., paving 1.9 mi. Hamilton Ave., 20 ft., sheet asphalt, $70,000; penetration job on Upper Perry Rd. from Trenton Junction to Delaware River, $35,000. H. F. Harris, Court House, co. engr.

Pa., Ebensburg—June 15, by Southmont Boro, c/o Cambria Co. Controller, paving 1,008 ft. Diamond Blvd., Millcreek Rd., vitr. brick block on cement concrete with 6 x 24 in. concrete header curb. R. G. Wertz, secy. S. E. Dickey & Co., 809 Johnstown Trust Co., Johnstown, engrs.

Maryland—June 19, by State Rds. Comn., Baltimore, concrete paving highways, Contrs. Cl. 40 and Q-26, Carroll and Queen Annes Counties; gravel surfacing, Contrs. AA-34 and Ch-27, Anne Arundel and Charles Counties; macadam resurfacing Contr. F-60, Frederick Co. J. N. Mackall, chn.; adv. this issue.

Md., Baltimore—June 13, by Bd. Awards, Contr. 237-OCOANA, 2,070 sq.yd. concrete, relaying 750 sq.yd. old granite block; Contr. 238-OANA, 10,810 sq.yd. concrete; Contr. 239-OANA, 13,215 sq.yd. sheet asphalt, 940 sq.yd. granite blocks redressed as liners. R. K. Compton, chn.

Wash., D. C.—June 11, by Dist. Comrs., 509 Dist. Bldg., laying approximately 35,000 sq.yd. cement sidewalks.

S. C., Orangeburg—June 15, by Orangeburg Co., improving 8.4 mi. State Route 27, from Dorange through Branchville to Edisto River, 59,536 cu.yd. excav., 20,831 cu.yd. sand clay surfacing, etc. W. C. Cathey, Orangeburg, engr.

S. C., Sumter—June 14, by Sumter Co., improving 1.9 State Route 3, from Mayesville to Black River, 27,000 cu.yd. excav., 18,960 sq.yd. concrete surfacing or 17,786 sq.yd. asphaltic concrete or sheet asphalt on concrete, 4 creosoted timber bridges, etc.; 1.9 mi. extension of Federal Aid Project 42, and 4 mi. Sect. B of Camden Rd., several types of hard surface pavement. Lee, Pennell & Murray, Sumter, engrs.

Fla., Bradentown — June 14, by Bd. Comrs. Manatee Co., grading, filling concrete bridge and creosoted piling 28 mi. A, B, D and E Sts., Miakka Special Rd. and Bridge Dist., $50,000; grading, paving with shell or limestone rock compacted 8 in., concrete bridges and creosoted piling, 20 mi. Rd. C, Miakka Special Road and Bridge Dist., $100,000. McElroy Eng. Co., 32-34 Giddens Bldg., Tampa, engrs.

Fla., Stark — June 19, by Bd. Bond Trustees of Bradford Co., C. A. Futch, secy., grading and surfacing 13 mi. road from Brooker to State Aid Rd. 102, 28,000 cu.yd. excav., 5,000 cu.yd. sand clay, etc. $30,000. E. R. Neff, Stark, engr.

Alabama—June 19, by W. S. Keller, state highway engr., Montgomery, grading, bridging and gravel surfacing 6.19 mi. road from Thomasville to point 1 mi. south of Sunny South, Clarke Co., 38,866 cu.yd. excav., 17,200 cu.yd. gravel surfacing within 1 mi. haul, 50,000 cu.yd. ½ mi. units additional haul on gravel, 170 cu.yd. concrete, etc., alternate bids on bridge at Sta. 136-60, using (1) treated timber (2) concrete; grading and gravel surfacing 23.655 mi. road from Demopolis to Millers via Linden, Marengo Co., 145,734 cu.yd. excav., 926 cu.yd. concrete, 56,000 cu.yd. imported gravel surfacing, etc.

Alabama—June 26, by W. S. Keller, state highway engr., Montgomery, grading and gravel surfacing 12.647 mi. Montgomery-Andalusia Rd., from Montgomery Co. line to point near Luverne, Crenshaw Co., 150,938 cu.yd. excav., 95,369 sta.yd. overhaul, 33,389 cu.yd. imported gravel surfacing, 90,000 lb. reinforcing, etc.; grading and surfacing with chert Birmingham-Gadsden Rd., from Etowah Co. line to Jefferson Co. line, St. Clair Co., Sect. A, includes 16.286 mi. and involves 20,642 cu.yd. excav., 70,675 sta.yd. overhaul, 1,059 cu.yd. concrete, 100,389 lb. reinforcing, 42,500 cu.yd. chert surfacing within 1 mi. haul, 60,000 ½ mi. units overhaul on surfacing, etc., Sect. B 15.717 mi., 123,555 cu.yd. excav., 67,867 sta.yd. overhaul, 1,747 cu.yd. concrete, 99,172 lb. reinforcing, 40,950 cu.yd. chert surfacing within 1 mi. haul, 115,500 ½ mi. units overhaul on surfacing, etc.

Alabama—July 3, by W. S. Keller, state highway engr., Montgomery, grading and surfacing with gravel or chert 16.284 mi. road from Oneonta to Village Springs, Blount Co., 98,946 cu.yd. excav., 860 cu.yd. concrete, 69,500 lb. reinforcing, 40,000 cu.yd. chert or gravel, etc.

Louisiana—June 19, by State Hy. Comn., Baton Rouge, grading, bridging and gravel surfacing 9.23 mi. State Project 329, Vermillion Parish, Sect. A, Abbeville-Jennings Highway from Abbeville to Kaplan. Sect. B from Kaplan to end of gravel road ½ mi. west of Mulvey; constructing rein.-con. culvert in Bayou Poydras and building necessary earth embankment and gravel surfacing Lake-Land-Erwinsville Spur on New Roads-Baton Rouge Highway, 2 mi. south of Lakeland, Point Coupee Parish. J. M. Fourmy, state highway engr.

Tennessee—June 22, by State Hy. Dept., Nashville, surfacing, paving, etc., 13.24 mi. Project 117, Overton Co., waterbound macadam; 21.2 mi. Project 114, Grundy Co., burnt slate surfacing, also bridges; 14.7 mi. Project 69, Haywood Co., cement concrete; 12.06 mi. Project 118, Overton Co., bituminous macadam on hand placed coarse stone base "C"; 5.1 mi. Project 101, Coffee

Streets and Roads (Continued)

Co., bituminous macadam on reconstructed base. J. G. Creveling, Jr., Nashville, comr.

Kentucky—June 20, by State Hy. Comn., Frankfort, shaping and grading 13.855 mi. roads in Pike and Powell Counties, 104,935 cu.yd. earth, 9,102 cu.yd. loose rock, 19,206 cu.yd. solid rock and 70,034 cu.yd. borrow excav., 52,671 sta.yd. overhaul, etc.; shaping and surfacing to width of 16 ft. with waterbound macadam or waterbound macadam on napped limestone or waterbound macadam surface treated 4.995 mi. Lexington-Harrodsburg Rd., State Project 47, Sect. A, Jessamine Co. J. S. Boggs, state highway engr.

Ky., Henderson—June 29, by J. C. Cunningham, comr. Pub. Wks. and Property, 25,000 sq.yd. sheet asphalt paving on various streets. $50,000. Noted May 24.

Ill., Chicago—June 11, at office H. A. Zender, supt. Pub. Serv. Cook Co., paving with (a) bituminous concrete with binder course, (b) bituminous concrete without binder course (c) cement concrete 7,975 ft. Sect. 165-15D-27, Route 29, Worth Twp., 27 ft., (a) $91,259 (b) $86,303 (c) $72,134; 2.639 ft. Sect. 165-15-D27. Route 29, Worth Twp., 27 ft., (a) $29,338 (b) $27,700 (c) $23,082.

Ohio—June 15, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 28.987 mi. roads in Belmont, Highland, Holmes, Huron, Lawrence, Lorain, Medina, Sciota, Columbiana and Williams Counties, brick, rein.-con., Kentucky rock asphalt, bituminous concrete, bituminous macadam or waterbound macadam; grading, etc., 4.88 mi. roads in Holmes and Lawrence Counties, $49,827. L. C. Herrick, dir. highways.

Ohio—June 19, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 53.257 mi. roads in Auglaise, Darke, Fayette, Franklin, Harrison, Lawrence, Medina, Monroe, Morgan, Morrow, Preble, Stark, Trumbull, Wood and Hardin Counties, brick, plain concrete, bituminous macadam asphalt or tar, rein.-con., sheet asphalt, bituminous concrete or Kentucky rock asphalt; bridge on Sect. "N" Ohio River Rd., Lawrence Co., $13,327. L. C. Herrick, dir. highways.

O., Cleveland—Bd. Educ., East 6th St. and Rockwell Ave., taking bids grading and landscaping Glenville, Rawlings Junior Highs and Euclid Park schools. To exceed $40,000. W. R. McCornack, East 6th St. and Rockwell Ave., engr.

O., Columbus—June 18, by R. W. Smith, clk. Franklin Co., improving and waterbound macadamizing 3.13 mi. Poth Rd., Jefferson, Mifflin and Truro Twps. $54,023.

O., Upper Arlington (Columbus, P. O.)—June 12, by E. D. Howard, clk., grading, sewers and asphalt paving 25,650 ft. Arlington Ave., North and South Parkways, Kensington and Southway Drives, Andover, Waltham, Wickford, Oxford, Club, Westover and Guilford Rds. $282,000. D. Sayre, 52 West Gay St., engr. Noted May 17.

Wisconsin—June 12, by State Hy. Comn. at div. office 9, Teller Bldg., Lancaster, grading and surfacing Sect. 1 Fennimore-Montfort Rd., Grant Co. 7,750 sq.yd. one course concrete surfacing, alternate 7,000 sq.yd. bituminous surfacing, etc. R. Hirst, Madison, highway engr.

Wis., Elkhorn—June 12, by H. J. Peters, highway comr. Walworth Co., concrete paving, etc., 13,241 sq.yd. Sharon-Darien Rd., graveling 6,000 cu.yd. Delavan-Walworth Rd. Wisconsin Hy. Comn., Division Office, Milwaukee, engrs.

Minn., Cloquet—June 11, 6,246 sq.yd. pavement, various types, 1,532 lin.ft. integral curb, etc. $25,000. J. A. Parks, city clk.

Minn., New Ulm — June 11, by City Clerk, grading 24 blocks, 31,000 yd. excav., 6,100 ft. Class B c.i. watermains and 4,900 ft. 4 in. Class B. c.i. pipe and specials. F. D. Minium, city engr.

South Dakota — June 12, by State Hy. Comn., Pierre, grading, gravel surfacing Federal Aid Project 146 A Corson Co., 81,176 cu.yd. common excav., etc.; Federal Aid Project 130 A, Custer Co., 30,925 cu. yd. rock and 9,159 cu.yd. common excav., etc.; Federal Aid Project 100, Pennington Co., 1,618 cu.yd. rock and 57,560 cu.yd. common excav., etc.; Federal Aid Project 54, Grant Co., 8,980 cu.yd. gravel, etc.; Federal Aid Project 146 A, Corson Co., 24 ft. I-beam bridge; Federal Aid Project 151, Ziebach Co., 150 ft. through truss bridge; Federal Aid Project 67 B, Clay Co., 238 ft. concrete viaduct; Federal Aid Project 100, Pennington Co., 414 Ft. concrete bridges. F. D. Hudgins, state highway engr.

Tex., Brenham—June 15, by J. H. Chappell, judge Washington Co., grading, bridging, etc., 17.3 mi. State Highway 36, Project 358, 24 ft., $185,000; 19.2 mi. Brenham-Washington Rd., 18 ft. $200,000. G. A. Bracher, Brenham, co. engr.

Tex., Gonzales—June 12, by J. C. Romberg, judge Gonzales Co., grading, gravel surfacing, etc., 11,567 cu.yd. State Highway 29, Project 183-B. $48,120. J. G. Irby, Gonzales, co. engr.

Colorado—June 12, by J. W. Johnson, dist. engr., Bureau Pub. Roads, Custom House Bldg., Denver, grading, etc., 4,764 mi. Ironton Sect. of Red Mountain, Natl. Forest Road Project, Ouray Co.; 5.51 mi. Cumbres Pass, Natl. Forest Road Project, Conejos Co.

Utah—June 11, by State Rd. Comn., Salt Lake City, improving 5.2 mi. portion of highway and constructing bridges betweei Ft. Duchesne and Vernal, Federal Aid Project 10 B, Uintah Co., 7,700 cu.yd. common and 12,300 cu.yd. borrow excav., surfacing with 6 in. gravel strip 18 ft. wide, with alternate of 0.7 mi. surfacing with native asphalt in Vernal, 10 ft., 15 ft. and two 20 ft. span timber bridges, etc. H. C. Means, state highway engr.

Utah—June 18, by State Rd. Comn., Salt Lake City, grading and gravel surfacing 7,395 mi. portion of State highway between Woodruff and Wyoming State line, Federal Aid Project 46, 4,490 cu.yd. common and 52,700 cu.yd. borrow excav., 15,000 cu.yd. gravel surfacing. H. C. Means, state highway engr.

Wash., Seattle—June 18, by King Co., grading and graveling 5 mi. A. Solberg Rd. $88,121. T. R. Beeman, co. engr.

Calif., Eureka — June 12, by Supervs. Humboldt Co., constructing wagon road and 4 wooden truss bridges on 5½ mi. road between Briceland and State Highway. A. J. Logan, co. surv. Noted Apr. 26.

Calif., Oakland—June 11, by Supervs. Alameda Co., grading, concrete curbing, guttering, sidewalks and paving road in vicinity of county hospital grounds, 65,000 sq.ft. 5 in. concrete, etc. $25,000. G. A. Posey, co. surv.

Quebec — June 12, by J. L. Perroro, minister of roads, Quebec, resurfacing with 3 in. tar macadam which will be oiled by another contract, 35 mi. various roads in town of Rigaud, and Beauharnois, Chateauguay, Laval and Vandreute Counties. $300,000. M. Nectkar, Dept. of Roads, engr.

Quebec — June 15, by J. L. Boulanger, deputy minister, Dept. of Roads, Quebec, gravel surfacing 30,250 ft. Montreal-Ottawa-Hoel Highway in Calumet, Notre Dame du Bourecours, Lochaber, Thurso and Templeton municipalities; 21,689 ft. Levis-Sherbrook Highway, in Shipton Twp.; 58,829 ft. Victorianele-Woburn Highway, in St. Christophe Parish and Chester West Twp. G. Henry, Dept. of Roads, Quebec, engr.

Que., Verdun—City receiving bids paving with tar macadam 1 mi. Wellington St. from Willroads to Woodland Ave., $70,000, and 1/3 mi. Wellington St. from Hickson to Regina Ave., $45,000. H. Hadley, city engr. Noted Jan. 18.

Saskatchewan—June 13, by Dept. Hys., Regina, grading, etc., Project 32, Sect. D, incl., 34,000 cu.yd. earth excav.; Project 13, Sect. M, Subsection B, 30,600 cu.yd. earth excav.; Project 33, Sect. E, Subsection A, 23,000 cu.yd. earth excav. H. S. Carpenter, deputy minister of highways.

BIDS RECEIVED

Massachusetts — Dept. Pub. Wks., Div. Highways, Boston, rein.-con. paving, etc., 3 mi. highway, 20 ft., in Easton, from Powers Bros., 167 North Montello St., Brockton, $259,753, engrs. etc. $250,000; 14,203 ft., 20 ft., in Lanesboro, from Lane Constr. 35 Colony St., Meriden, $175,165, engrs. est. $175,000.

Maryland—State Rds. Comn., Baltimore, May 29, concrete surfacing, Contr. G-23, Garrett Co., from F. A. Denison Co., 206 10th St. N. W., Wash., D. C., $26,148; 9,050 sq.yd., Contr. M-44, Montgomery Co., from M. J. Grove Lime Co., Lime Kiln, $30,160; 12,300 sq.yd., Contr. Wo-30, Worcester Co., from Hannamann-Burroughs Co., Salisbury, $35,666; 7,100 sq.yd. concrete shoulders, Contr. 141-A, Montgomery Co., from Corson & Gruman Co., 33rd and K. Sts., Wash., D. C., $22,507; 10,250 sq.yd. concrete shoulders, Contr. 46-A, Baltimore Co., from A. C. Knight, 2,200 Linden Ave., Baltimore, $30,175; Contr. W-27, Washington Co., 14,100 tons bituminous macadam, 18,300 tons rein.-con. base, from Gosnell, Russell & Co., Frederick, $189,666. Noted May 17.

Florida—State Rd. Dept., Tallahassee, constructing rock base on 11.81 mi. road between Oceola Co. line and Melbourne, Brevard Co. and concrete surfacing 2 mi. road between Florida East Coast R.R. and Beer Park, Oceola Co., from Noll & Noll, Crescent City, $200,246 and $48,735 respectively. Noted May 17.

Fla., Tampa—From W. L. Harwell, 721 South Orleans Ave., 15,765 sq.yd. 2½ in. asphalt block paving, 8,500 lin.ft. granite curbing, 1,500 lin.ft. relaying granite curbing, on Durham, Fremont and Westland Sts., $44,488.

Louisiana — State Hy. Comn., Baton Rouge, grading and gravel surfacing 9.36 mi. Abbeville-New Iberia Highway, Vermillion Parish, from Burke & Jones, New Iberia, $41,725; 10.36 mi. Coushatta-Shreveport Highway, Red River Parish, from W. B. Butler, Coushatta, $71,792. Noted May 10.

Kentucky—State Hy. Dept., Frankfort, improving **13.1 mi. Dawson Springs-Earlington Rd., State Project 55, Sect. A, Hopkins Co.**, (1) bank gravel (2) waterbound macadam (3) surface treatment only, (4) rein.-con., (a) vitr. pipe (b) concrete pipe, from W. E. Stone & Co., Madisonville, (1a) $257,534 (1b) $255,095 (2a) $348,836 (2b) $346,397, Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, (3) $18,675, **12.14 mi. New Castle-Carrollton Rd., State Project 46, Sect. A, Henry, Trimble and Carroll Counties**, from Clark Constr. Co., Winchester, (2a) $295,930 (2b) $292,736, R. B. Tyler Co., 114 South 4th St., Louisville, (3) $14,921, **9.352 mi. Lexington-Covington Rd., State Project 5, Sects. B and C, Kenton and Boone Counties**, from J. Wrol Co., Dayton, O. (street address not available), (4a) $319,602 (4b) $316,789; **9.36 mi. Hopkinsville-Gracey Rd., State Project 1, Sect. C, Christian Co.**, from Christian Co. Constr. Co., Hopkinsville, (2a) $195,691 (2b) $198,167, Breslin & Durrett, Louisville (street address not available), (3) $12,122; grading **16 mi. Louisville-Paducah Rd., State Project 8, Sect. B, Union Co.**, from W. W. Carter, Clay, (a) $126,884 (b) $123,455; **6.811 mi. Pikeville-Williamson Rd., State Project 36, Sect. C, Pike Co.**, from N. K. Snead Co., Camp 201, near Cincinnati and Ohio R.R., Huntington, W. Va., (a) $125,387 (b) $123,093; reconstructing **7 mi. Maysville-North Fork Rd., State Project 20, Sect. L, Mason Co.**, from Bates Paynter Co., Danville, $47,511. Noted May 10.

Ohio—Joint Bd. Comrs. Franklin and Delaware Counties, at Columbus, May 23, grading and paving 4.69 mi. Franklin Delaware Co. line Rd., 16 ft., waterbound macadam, bituminous surface treatment, from R. K. McNamara, Delaware, $71,226. Noted May 17.

Ohio—Dept. Highways and Pub. Wks., Columbus, May 25, grading, bridging and paving roads with **(a)** brick **(b)** rein.-con. **(c)** bituminous macadam asphalt **(d)** bituminous macadam tar **(e)** oil or lake macadam **(f)** plain concrete, **(1)** 1.679 mi. Sect. "B" Mansfield-Wooster Rd., Ashland Co. **(2)** 0.536 mi. Sect. "Mifflin" Mansfield-Wooster Rd., Ashland Co. **(3)** 3.731 mi. Sect. "B" Mansfield-Wooster Rd., Ashland Co. **(4)** 0.344 mi. Sect. "Hayesville" Mansfield-Wooster Rd., Ashland Co. **(5)** 3.241 mi. Sect. "G-1" Springfield-Xenia Rd., Clark Co. **(6)** 2.548 mi. Sect. "G-2" Springfield-Zenia Rd., Clark Co. **(7)** 2.778 mi. Sect. "A" Deshler-Findlay Rd., Hancock Co. **(8)** 0.436 mi. Sect. "E." Ottawa-Findlay Rd., Hancock Co. **(9)** 3.123 mi. Sect. "J." Bridgeport-Cadiz Rd., Harrison Co. **(10)** 5.287 mi. Sect. "B-1," Toledo-Napoleon Rd., Henry Co. **(11)** 0.65 mi. Sect. "Napoleon," Toledo-Napoleon Rd., Henry Co. **(12)** 2.623 mi. Sect. "A-2," Logan-McArthur Rd., Hocking Co. **(13)** 3.833 mi. Sect. "F." Fremont-Port Clinton Rd., Ottawa Co. **(14)** 0.433 mi. Sect. "Port Clinton," Fremont-Port Clinton Rd., Ottawa Co. **(15)** 1.9 mi. Sect. "G," Piqua-St. Marys Rd., Shelby Co., concrete curbing **(16)** 2.381 mi. Sect. "11" Mansfield-Millersburg Rd., Holmes Co. **(17)** 5.446 mi. Sects. "K" and "L" Norwalk-Bellevue Rd., Huron Co. **(18)** 7.715 mi. Sect. "J" Cleveland-Buffalo Rd., Lake Co. **(19)** 5.433 mi. Sect. "A" Cleveland-Buffalo Rd., Lake Co., 2 bridges on **(20)** Sect. "B" Rd. 419, Van Wert Co., from F. J. Mann & Sons, Ashland, (a1) $95,709 (b1) $88,584 (a2) $33,516 (b2) $31,303 (a3) $229,356 (b3) $215,358 (a4) $16,334; E. L. Reeb, Lima, (street address not available), (b4) $14,872; M. J. Cooney, 633 York St., Springfield, (a5) $120,959 (a6) $95,945; C. V. Rector, Lima, (street address not available), (c5) $74,353 (c6) $60,592 (d6) $60,593 (b15) $84,370 (c15) $71,477 (d15) $71,845; Straw & Huber, Paulding, (b7) $83,491 (b8) $12,930 (a12) $89,267 (c12) $60,442; N. B. Putnam, Van Wert, (c7) $64,115 (d7) $63,980 (c8) $10,456 (d8) $10,435 (c10) $97,207 (d10) $96,957; Curry & Hayes, Cadix, (c9) $114,974 (d9) $115,579; O. L. Smith, Liepsic, (b11) $20,784; J. H. Murphy, Burgoon, (b13) $115,933 (b14) $26,573; Hill & Hill, Elyria, (street address not available), (c13) $103,419 (c14) $24,299; Modern Constr. Co., Fremont, (c14) $25,537; Allen Paving Co., Lima, (street address not available), (f16) $47,674; Putnam & Shindeldecker, Van Wert, (17) $49,766; E. A. Freshwater Co., Painesville, (18) $64,762 (19) $46,764; A. Bates, Convoy, (20) $5,052; Putnam & Sunday, Van Wert, (20) $5,052. Noted **May 17.**

Streets and Roads (Continued)

O., Cleveland — Repaving 42,900 sq.yd. Euclid Ave., asphalt over granite block and 9,550 sq.yd. East 17th St., asphalt, from Cleveland Trinidad Paving Co., The Arcade, $233,682 and $39,543 respectively; 2,340 sq. yd. East 82nd St., brick, from Bentley Bros., Union Bldg., $13,450; 5,360 sq.yd. Woodland Ave., asphalt, from Rieley Bros., The Arcade, $22,551. Noted May 17.

O., Columbus—Franklin Co., May 31, grading and paving 2.95 mi. Hard Rd., 16 ft., Perry and Sharon Twps., from D. C. Worthington, $45,978; 0.85 mi. Harrison Rd., 18 ft., Franklin Twp., from A. W. Burns & Co., 316-25 South High St., $11,382, both waterbound macadam. Noted May 24.

O., Shaker Heights (Cleveland P. O.)—Grading, curbing and paving with (a) asphalt (b) brick, (1) Lee Rd. Sect. 1 (2) Lee Rd. Sect. 2 (3) Mayfield Rd. Sects. 1 and 2 (4) Euclid Heights Blvd. (5) Ridgefield Rd. from Bentley Bros., Ulmer Bldg., Cleveland, (a1) $37,561 (b1) $51,038 (a2) $50,925 (b2) $64,864; Cleveland Trinidad Paving Co., The Arcade, Cleveland, (a3) $203,910 (a4) $31,400; Spence Bros., 2078 Randon Rd., Cleveland, (a5) $6,023.

Ind., Kendalville—City Council, May 22, for 18,600 sq.yd. pavement and 11,840 ft. curb and gutter, from W. L. Johnson, Hicksville, O., $53,808. Noted May 10.

Ill., Edwardsville—Madison Co., concrete paving and building 2 small bridges on 42,240 sq.yd. St. Jacobs-Marine Rd., 14,080 cu.yd. rock excav., from Stoecker Gravel and Con. Co., Edwardsville, $131,680. Engrs. est. $135,000. Noted May 24.

Ill., St. Anne—Bd. Local Impvts., 33,000 sq.yd. rein.-con. pavement, from H. C. Finley Constr. Co., Hoopestown, $106,098. Noted Mar. 1.

Wis., Platteville—Paving 14,000 sq.yd. various streets, from C. E. Rich & Co., Lancaster, rein.-con. $3.43, tarvia macadam $2.37; E. L. Sweeney, Reedsburg, brick $2.50; F. P. Coughlin, 30 North La Salle St., Chicago, bitulithic $3.65. Noted May 10.

Wis., South Milwaukee — From Dean Constr. Co., 382 East North Ave., Milwaukee, 4,500 cu.yd. grading, $1.40 per cu.yd., 19,800 sq.yd. concrete pavement $2.74 per sq.yd., vibrolithic pavement $2.84, 530 cu.yd. concrete in bridge $26 per cu. yd. Noted May 24.

Mo., St. Louis — Bd. Pub. Serv., City Hall, paving 3,740 sq.yd. Slevin Ave., brick, and 3,070 sq.yd. Gimblin Ave., concrete, from J. E. Perkinson, 3237 Security Bldg., $21,418 and $15,227 respectively; 3,630 sq. yd. Smiley Ave., from Ivanhoe St. to tracks of St. Louis & San Francisco R.R., rein.-con., from Webb-Kunze Constr. Co., 5927 Fyler Ave., $16,814; 3,255 sq.yd. Smiley Ave. from Leola to Ivanhoe Sts., rein.-con. and 3,815 sq.yd. Lansdowne Ave. from January to Hampton Sts., asphaltic concrete, from Independent Quarry & Constr. Co., Fullerton Bldg., $12,371 and $14,381 respectively; 3,295 sq.yd. Lansdowne Ave. from Macklind to January Sts., asphaltic concrete, from Eyermann Constr. Co., 1216 South Grand Ave., $16,473; 5,240 sq.yd. Pershing Ave., bitulithic, from Granite Bituminous Paving Co., Ry. Exch. Bldg., $15,281; 9,405 sq.yd. Enright Ave., bitulithic, from Trinidad Asphalt Mfg. Co., Rankin Ave., $16,257. Noted May 3.

Tex., Cleburne—Johnson Co. grading, gravel surfacing, etc., 24,051 cu.yd. State Highway 2-B, Project 230, and 44,027 cu. yd. State Highway 2, Project 20-B, from McClung Constr. Co., Cleburne, $86,819 and $161,882 respectively. Engrs. est. $117,250 and $185,000 respectively.

Wash., Raymond—Paving 1st St. et al, 8 in. concrete, from R. L. Rowland, 620 Olympic Pl., Seattle, $31,027. Engrs. est. $33,135.

Calif., Oakland — Improving (1) Union Ave. from 18th St. northeasterly (a) 20,369 ft. grading (b) 10,114 ft. asphaltic concrete (c) 3,865 ft. cement walks (2) 48th Ave. between East 12th and East 14th Sts., (d) 22,979 ft. grading (e) 12,233 ft. oil macadam (f) 4,583 ft. cement walks, from D. Hutchinson, 1706 Bway., (1a) $0.055 (1b) $0.305 (1c) $0.175 (2d) $0.045 (2e) $0.11 (2f) $0.17; Oakland Paving Co., 5000 Bway., (1a) $0.06 (1b) $0.265 (1c) $0.18; S. De Guarda, 1363 88th Ave., (2d) 0.04 (2e) $0.11 (2f) $0.18.

Calif., San Francisco — City and San Francisco Co., grading and surfacing intersection of Great Highway and Sloat Blvd., from L. J. Cohn, 180 Jessie St., $42,156. Noted May 17.

Calif., Whittier—Grading, curbing and paving with 6 in. concrete Palm Ave. between Lemore St. and southwest city limits, from Independent Paving Co., 321 East 4th St., Long Beach, $56,496.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Div. of Highways, Boston, 3.25 mi. road in Plymouth, concrete and waterbound macadaam, to Powers Bros., 167 North Montello St., Brockton, $259,750. Engrs. est. $260,000.

Connecticut—State Hy. Dept., Hartford, concrete paving 1,500 sq.yd. Berlin Turnpike, in Berlin, and 4,000 sq.yd. Quaker Lane, in West Hartford, to L. Suzzio Constr. Co., State and Broad Sts., Meriden, $3,242 and $7,385 respectively; 1,766 ft. Main St., 32 ft., in Winchester, 7 in. concrete, and 14,000 sq.yd. Padanarum Rd. in Danbury, 7 in. waterbound macadam, to J. D. Michiel, Torrington, $31,088 and $29,315 respectively; 8,600 sq.yd. Center Groton Rd., in Groton, waterbound macadam, to F. D. Miller, R. F. D. 6, Norwich, $16,540; 4,600 sq.yd. Willetts Ave., in Waterford, bituminous macadam, to N. Benvenuti & Sons, 74 Goshen St., New London, $11,085. Noted May 17.

Conn., Bristol—Paving various streets, 4,000 lin.ft. concrete curb and sidewalk, 5,000 lin.ft. concrete gutter, to A. DiMarco, 61 East Main St., Plainville. Engrs. est. $30,000. Noted May 24.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., grading Bath Ave. $10,318, sheet asphalt paving East 37th St., $5,111; to Boro Asphalt Co., 1301 Metropolitan Ave., sheet asphalt paving Cedar Pl. $10,617, Union St. $7,939; to Uvalde Asphalt Paving Co., 1 Bway., New York, Clara Pl. $4,959, Tapscott St. $6,001, 78th St., $8,034; to Cranford Co., 52 9th St., East 10th St. $9,848, 10th Ave. $3,582, 17th Ave. $11,534, 19th Ave. $3,922, 70th St. $7,412; to Necaro Co., Inc., 97 Court St., curbing and paving Linden St. $84,317. Noted May 24.

N. Y., Herkimer—Concrete paving Henry St., Pleasant and Park Aves., to Newport Constr. Co., 200 North Main St., $10,699, $12,989 and $10,358 respectively. Noted May 10.

N. Y., Hornell—To Kennedy Co., Hornell, brick paving Taylor, Park, Union and Crosby Sts., $30,874, macadamizing West Genesee, Armory, Fulton, Wells, East Elm, Preston, State and Ontario Sts., $38,614. Noted May 17 and 21.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sidewalks around subway grating on southerly portion of island at intersection of Bway and 7th Ave. from 46th to 47th Sts. to Kraemer & Leedecke, 114 East 52nd St., $1,862; curbing, recurbing, flagging, reflagging and sheet asphalt paving West 213th St., to Asphalt Constr. Co., 2199 Madison Ave., $17,256. Noted May 17.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and granite block paving, etc., Marginal St., to J. Johnson Sons, 455 Bway., West New Brighton, $21,731. Noted May 31.

N. Y., Utica—Oneida Co. will construct 23.8 mi. highways, bituminous macadam, by day labor under supervision of A. H. O'Brien, co. supt. highways. $71,800.

N. J., Irvington (branch of Newark)—For 1,400 lin.ft. bluestone curb and 2,300 sq.yd. 6 in. rein.-con. pavement on Normandy Pl., to J. Dover, Irvington, $4,069; 9,600 lin.ft. bluestone curb and 15,900 sq. yd. 6 in. rein.-con. pavement on Mt. Vernon and Chester Aves., Rosehill and Normandy Places, to McDermitt Inc., 141 South 8th St., Newark, $66,201. Noted May 3.

N. J., Newark—G. C. Bergen, purch. agt. Essex Co., Court House, supplying and applying asphaltic road oil on designated roads, quantity to be used not less than 10,000 gal. nor more than 60,000 gal., to J. P. Dosch, 501 Bloomfield Ave., Montclair, $0.0725 per gal. Noted May 17.

N. J., Newark — Dept. Streets & Pub. Impvts., City Hall, curbing and flagging Carolina Ave., to Filippone, Scanniello & Capozio, 246 Littleton Ave., $5,692; asphalt paving 29,250 sq.yd. Maple Pl., Leslie and Boylan Sts., Vassar, Vermont, Lindsley, 13th and Irving Aves., to Standard Bitulithic Co., 50 Church St., New York City, $146,836. Noted May 17.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 9,400 sq.yd. Contr. M-39, Montgomery Co., to Gosnell, Russell Co., Frederick, $31,700; 13,100 sq.yd. Contr. B-54, Baltimore Co., to P. F. Reddington, 2 East Lexington St., Baltimore, $38,767; 13,000 sq.yd. Contr. D-33, Dorchester Co., to Holt Constr. Co., Federalsburg, $57,223; gravel surfacing 30,000 sq.yd. Contr. Ch-25, Charles Co., and 39,000 sq.yd. Contr. SM-23, St. Marys Co., to St. Marys Constr. Co., Mechanicsville, $28,616 and $38,875 respectively; 17,800 sq.yd. bituminous surface course on 6 in. concrete, Contr. Bc-43, Baltimore City, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, $97,277; Contr. W-26, Washington Co., 4,450 tons bituminous macadam on 4,500 tons rein.-con. base, to Bester-Long Co., Hagerstown, $59,943; Contr. 45-A, Montgomery Co., 3,520 sq.yd. concrete shoulders, to J. H. Blankford, Brandywine, $11,264; 6,800 sq.yd. Contr. Wo-25, Worcester Co., to J. K. Wetter, Salisbury, $17,093. Noted May 31.

Md., Baltimore — Paving Contr. 235 OCNA, 11,725 sq.yd. cement concrete, 610 sq.yd. vitr. block, to Ryan Constr. Co., Real Estate Trust Bldg., Phila., Pa., $36,742; 42,090 sq.yd. asphalt, 595 sq.yd. vitr. block, 200 sq.yd. granite block liners, etc., Contr. 236 OCNA, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R., $207,675. Noted May 24.

Md., Towson — Baltimore Co. concrete paving 2.5 mi. Greystone and Middletown Rds., to Aiello Constr. Co., Knickerbocker Bldg., Baltimore, $50,000; 2.7 mi. Tufton Ave., and 2 mi. Carroll and Jarretsville Rds., to H. T. Campbell Sons Co., Towson, $75,000 and $50,000 respectively; 7.5 mi. Caves Rd. and Green Spring Ave., to A. A. Dyer, Delight, $36,487; concrete culverts in 2nd and 4th Dists., to G. P. and C. F. Mays, Cockeysville, $4,795.

O., Barnesville — Brick paving South Chestnut St., to Miller-Wilson Co., Barnesville, $37,500.

O., Canton—Stark Co. improving 1.15 mi. Pigeon Run Rd., combination base and curb also 1.72 mi. Canton-Sherman Church Sect., brick, both 18 ft., to Urban Bros., Massillon, $46,000 and $68,443 respectively; 2.11 mi. Reedurban-McDonaldsville Rd., 18 ft., vitr. brick, to G. Hadley, 333 Market Ave. S., $84,265, engrs. est. $85,500; 1.51 mi. Canton-Middlebranch Rd., 18 ft., brick, to Burd Constr. Co., 1043 Spring Ave. N. E., $56,323, engrs. est. $65,000.

O., Cleveland—Grading, curbing and paving Mt. Overlook Ave., brick, and East 106th St. and driveways at city hospital, asphalt, to Rieley Bros., The Arcade, $37,808. Noted May 31.

O., Cleveland — Grading, curbing and paving East 125th St., vitr. brick, to Baldwin Bros., 4500 Euclid Ave., $14,941; East 125th St. and Oakwood Ave., vitr. brick, to Garland Bros., Pavers Exch., Society for Savings Bldg., $18,260 and $5,798 respectively; repaving Euclid Ave. and East 17th St., asphalt, to Cleveland Trinidad Paving Co., The Arcade, $195,757 and $39,543 respectively; East 82nd St., brick, to Bentley Bros., Union Bldg., $13,450; Woodland Ave., asphalt, to Rieley Bros., The Arcade, $22,551. Work involves 8,525 sq.yd. vitr. brick, 57,810 sq.yd. asphalt and 4,750 lin. ft. stone curb and 4 in. tile drain gutter, etc.

O., Columbus—To B. F. Patterson, 1214 Neil Ave., grading, laying necessary water services and sewer connections and paving 1,318 ft. Torrance Rd. $18,275, 931 ft. Weston Pl. $14,769, both asphalt; to R. J. Dienst, 480 South 5th St., 1,087 ft. alley west of Champion Ave. $8,852, 365 ft. alley north of Richmond Ave. $1,979 and 1,904 ft. 2nd alley west of 5th St. $8,213, all concrete; to Columbus Contg. Co., Columbus (street address not available), 509 ft. alley west of Garfield Ave., concrete, $3,356.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to Federal Paving Co., 996 McAllister Ave., grading, laying necessary water services and sewer connections and paving 591 ft. alley west of Chicago Ave. $2,764, 455 ft. alley north of 4th Ave. $2,375, 400 ft. alley west of Henry St. $2,266, 287 ft. 2nd alley north of King Ave. $1,492; to Yale Constr. Co., 146 Yale Ave., 443 ft. alley north of Vermont Ave. $2,778, 375 ft. alley west of 3rd Ave. $2,305; to Columbus Contg. Co., 1471 East Broad St., 926 ft. alley west of Galloway Ave. $5,250, all foregoing concrete; to Knight & Wells, 483 Oak St., 1,186 ft. Sydney St., Mexican asphalt, $18,646. Noted May 24.

O., Euclid—Grading, cement curbing and asphalt paving Monterey, Renwood, Abbey, Nauman, Ormiston and Tyronne Rds., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $159,796. Noted May 17.

Ind., Bloomington—Indiana University, grading site for stadium, to Kerr & Murphy, Bloomington. To exceed $25,000.

Ind., Princeton — Paving 10,259 sq.yd. Main St., concrete, to Premier Constr. Co., 906 Lemcke Bldg., Indianapolis, $27,185. Engrs. est. $31,000.

Mich., Detroit—Paving with 3½ in. sheet asphalt (natural lake or oil) on 8 in concrete, to Detroit Asphalt Paving Co., 20 McGraw Bldg., Carpenter Ave., $57,781, Fenkell Ave. Sect. 1, $48,484, Fenkell Ave. Sect. 2, $45,447, Harper Ave. Sect. 1, $109,676, Harper Ave. Sect. 2, $94,052, Hussar Ave., $6,772, Mack Ave., $25,348, Nardin Ave., $17,186, Quincy Ave., $13,349; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., Linwood Ave., $48,005, Leslie Ave., $47,700, Normandy Ave., $47,505. Noted May 10.

Streets and Roads (Continued)

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving (1) 0.2 mi. 1-2-11 Will, means 0.2 mi. Route 1, Federal Aid Project 2, Sect. 11, Will Co. (2) 4.07 mi. 1-52-4 White (3) 4.54 mi. 1-0-20 Crawford (4) 2.86 mi. 1-0-21 Crawford (5) 4.81 mi. 2-012 Union (6) 5.5 mi. 254-51 Macon (7) 7.04 mi. 9-56-18 Ford (8) 5.87 mi. 9-56-13 Ford (9) 5.12 mi. 16-58-18 Christian-Montgomery (10) 8.12 mi. 18-59-12 Kane-Kendall (11) 4.27 mi. 20-60-13 McHenry-Lake Co. (12) 5.34 mi. 21-24-2 Lake Co. (13) 5.58 mi. 22-59-15 Will (14) 5.19 mi. 22-59-16 Will-Kane-Kendall (15) 6.06 mi. 25-61-28 Champaign (16) 4.96 mi. 25-61-29 Champaign (17) 4.88 mi. 25-61-30 Champaign (18) 4.86 mi. 25-61-31 Champaign-Ford (19) 2.74 mi. 25-61-32 Ford (20) 2.73 mi. 27-39-1 Carroll (21) 4.4 mi. 28-63-4 Knox-Henry (22) 4.94 mi. 28-63-5 Henry (23) 5.45 mi. 31-65-21 Fulton (24) 7.95 mi. 32-66-3 Moultrie (25) 3.91 mi. 42-67-113 Lake (26) 1.18 mi. 3-47-66 Monroe (27) 0.11 mi. 8-0-38A Woodford (28) 0.14 mi. 8-27-38 Woodford (29) 1.08 mi. 21-24-2A Lake (30) 0.37 mi. 0-7-W La Salle, to J. M. Pierson & Co., Chicago Heights, (1) $5,740. C. J. Moritz, Inc., Effingham, (2) $73,443. J. W. Etchison, Casey, (3) and (4) $154,444 (24) $148,943. J. Kesl & Sons, Edwardsville, (5) $103,476 (9) $110,888. McMahon Constr. Co., Rochester, Ind., (6) $87,576. I. D. Lain, Bloomington, (7) $144,046 (27) $2,642 (28) $2,562. C. W. Clarke Co., Terre Haute Trust Bldg., Terre Haute, Ind., (8) $96,-983. J. J. Dunnegan Constr. Co., Shenandoah, Ia., (10) $161,826 (11) $95,104 (25) $85,398. Northern States Contg. Co., Waterloo, Ia., (12) $107,969. Chicago Heights Coal Co., Chicago Heights, (13) and (14) $222,000. P. Verhey, Champaign (street address not available), (15), (16), (17), (18) and (19) $419,740. C. C. Vanderboom & Sons, Mt. Carroll, (20) $61,470. I. W. Bowman Co., 1117 3rd Ave., Peoria, (21) and (22) $171,973. R. Condon Constr. Co., Omaha, Neb. (street address not available), (23) $115,939. Dawson-Bowers Constr. Co., Century Bldg., St. Louis, Mo., (26) $17,495. J. Cape & Sons, 468 Water St., Racine, Wis., (29) $17,742. G. W. Comstock, 221 Cooper St., Peoria, (30) $7,203. Noted Apr. 26.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving (12-70-5 Richland means Route 12, Federal Aid Project 70, Sect. 5, Richland Co.), (1) 6.6 mi. 12-70-5 Richland, (2) 5.56 mi. 14-71-4 Franklin, (3) 3.54 mi. 25-23-7 Clay, (4) 7.32 mi. 25-73-21 Douglas, (5) 5.62 mi. 26-74-2 Ogle, (6) 5.25 mi. 43-72-1 Mason, (7) 2 rein.-con. bridges 12-70-5B Richland, to Wabash Constr. Co., Vincennes, Ind., (1) $139,058; Keeley Bros. Contg. Co., 2100 State St., East St. Louis, (2) $129,-717; Edwardsville Constr. Co., Edwardsville, (3) $71,662; W. F. Smith & Co., 505 Illinois Natl. Bank Bldg., Springfield, (4) $122,260 (6) $104,191; The Webber Co., Iona, Mich., (5) $126,000; Varney & Connors, Jerseyville, (7) $20,924. Noted May 3.

Ill., Rockford—To Milburn Bros., 18th and Charles Sts., concrete paving 14th Ave., $99,900; F. N. Johnson, 821 Harlem Blvd., Winnebago St., 9th and Sunset Aves., engrs. est. $41,650; Hart & Page, 110 North Court St., North Main St., engrs. est. $62,-500, 10th and Bruce Sts., engrs. est. $55,150. Noted Mar. 22.

Ill., Rockford—Winnebago Co., to Milburn Bros., 18th and Charles Sts., concrete paving Sect. W, $151,779 and Extension of Sect. W, $74,287; Northern Steel & Concrete Co., 204 Van Buren St., Freeport, 2.1537 mi. Sect. V-15D, $54,372.

Wis., Racine — Concrete surfacing, etc. Middle Rd. 13,200 sq.yd. concrete, to J. R. Griffith Co., 1,500 9th St., $25,787.

Ia., Clinton—Paving, curbing and guttering 4th, 5th and 7th Sts., 6th, 8th and Wesley Aves., curbing and guttering Maple and 8th Aves., 13,520 sq.yd. new pavement, 1,970 sq.yd. resurfacing, 470 sq.yd. paving between car tracks, 6,540 lin.ft. curb and gutter, 900 lin. ft. gutter, to McCarthy Impvt. Co., Kahl Bldg., Davenport, $58,041. Noted Apr. 19.

Ia., Clinton—Clinton Co., to McAndrews & Hannah, Keokuk, grading 2.116 mi. primary road northwest of Delmar, 44,488 cu.yd. excav., $0.30, total $13,346, and 3.94 mi. Lyons-Hauntown Rd., 69,000 cu.yd. excav., $0.31, total $21,390. Noted May 17.

Ia., Marshalltown—To A. Carlson, Woodburg Bldg., 19,481 sq.yd. vibrolithic concrete, on following basis: 6 blocks 9 in. $2.08, 2 blocks 7 in. $2.55, between car tracks, $5.75, total $71,807.

Minn., Crookston—Polk Co., Job 2301 60,-000 cu.yd. excav., to H. P. Lund, Thief River Falls, $17,869. Job 2302, 50,450 cu. yd. excav., to A. Johnson, Lancastetr, $4,-738; Job 2303, 100,500 cu.yd. excav., to J. L. Sieff, Red Lake Falls, $16,862; Job 2304, 62,140 cu.yd. excav., to G. H. Clear, Fergus Falls, $17,966. Noted Apr. 4.

Minn., Duluth—Concrete paving 5,330 sq. yd. Gary St., to Nelson & Shipman, 211 South 16th Ave. E., $24,731.

Minn., Preston — Fillmore Co., (1) Job 2301, State Rd. 9, 97,000 cu.yd. earth 17,-000 cu.yd. loose rock and 4,000 cu.yd. solid rock excav., 160,000 cu.yd. overhaul, culverts; (2) Job 2302, State Rd. 5, 25,000 cu. yd. earth, 380 cu.yd. loose rock and 380 cu. yd. solid rock excav., 12,000 cu.yd. overhaul, culverts; (3) Job 2303, State Rd. 10, 17,000 cu.yd. earth, 2,000 cu.yd. loose rock excav., 30,000 cu.yd. overhaul; (4) Job 2304, State Rd. 11, 24,000 cu.yd. earth, 5,000 cu.yd. loose rock and 1,600 cu.yd. solid rock excav., 28,000 cu.yd. overhaul, culverts, grading to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, (1) $50,810 (2) $9,142 (3) $8,-002 (4) $14,905; culverts to F. Chase, Stewartville, (1) $11,008 (2) $3,878 (4) $2,018. Noted Mar. 8.

Minn., Red Lake Falls—Red Lake Co., State Project 32-02, Federal Aid Project 273, 160,645 cu.yd. excav., to Reierson, Nohre, Moen & Sollom, Thief River Falls, $0.265 per cu.yd. Noted May 3.

Minn., Red Wing—Vibrolithic paving 39,-133 sq.yd. E Ave. and 4th St., 13,923 cu.yd. excav., to Ostrand & Hallett, Crosby, $75,-000. Noted May 3.

Kan., Topeka—Brick paving 12,600 sq. yd. various streets, to Ritchey & Ramsey, Topeka, (street address not available), brick, $3.70, $3.90 and $4.20 per sq.yd., grading $1, straight curb $1, curb and gutter $0.90, total $62,368; 35,800 yds. asphaltic concrete paving various streets, to Kaw Paving Co., 506 N E Bldg., Topeka, asphaltic concrete, $2.62, curb and gutter $0.94, grading $0.96, total $166,065. Noted May 24.

South Dakota—State Hy. Dept., Pierre, improving roads (125-McCook means Federal Aid Project 125, McCook Co.), 133,400 yd. excav. with overhaul, 590 yd. concrete on **125-McCook**, to W. D. Hackett, Marshall, Minn., $63,420; 70,000 yd. excav. with overhaul, 350 yd. concrete on **140-Lawrence and Mead**, to Cole & Wilson, Spearfish, $42,775; 60,000 yd. excav. with overhaul and 107 yd. concrete on **133-Miner**, to H. Pickus Constr. Co., 309 Mass Bldg., Sioux City, Ia., $26,-499; 74,000 yd. excav. with overhaul and 190 yd. concrete on **137-Lake**, to D. D. Bidwell, Egan, $31,165; 107,000 yd. excav. with overhaul and 330 yd. concrete, also bridge, 60 yd. concrete and 10,000 lb. steel, on **39-Davison**, to Pioneer Bridge Co., Mitchell, $48,374; 120,000 yd. excav. with overhaul and 355 yd. concrete, on **135A-Minnehaha**, to Western Bridge & Constr. Co., 748 Peters Trust Bldg., Omaha, Neb., $49,101; 107,000 yd. excav. with overhaul and 280 yd. concrete on **61B-Aurora and Brule**, to R. P. England, Murdo, $41,564; graveling 13,500 yd. with overhaul on **20A-Walworth**, to W. R. Larson Constr. Co., 519 Secy. Natl. Bank Bldg., Sioux Falls, $11,568; 10,000 yd. with overhaul on **87-Lake** and 8,500 yd. with overhaul on **93-Miner**, to Tobin & Maloney, Madison, $8,867 and $7,900 respectively; 14,500 yd. with overhaul on **55-Duel**, to H. Philips, Watertown, $11,942; bridges, 175 yd. concrete, 74 lb. steel, on **125-McCook**, to W. A. Barnhart Constr., Salem, $9,519; 550 yd. concrete and 162,000 lb. steel on **140-Lawrence and Mead**, to Concrete Eng. Co., Rapid City, $26,263; 140 yd. concrete and 22,000 lb. steel on **133-Miner**, to Youngberg Constr. Co., Aberdeen, $6,251; 170 yd. concrete and 32,000 lb. steel, on **137-Lake**, to A. L. Waite, Redfield, $7,434; 70 yd. concrete and 12,000 lb. steel on **61B-Aurora and Brule** to Diamond Eng. & Constr. Co., Grand Island, Neb., $3,032; 225 yd. concrete culverts on **73-Tripp**, to J. L. Lynn, Winner, $8,165. Noted May 17.

S. D., Mitchell—F. McGovern, city aud., paving 58,252 sq.yd. 2 course concrete on various streets, to Hanlon & Okes, 338 Lumber Exch., Minneapolis, Minn., $2.38 per sq.yd. Noted Apr. 19.

North Dakota — State Hy. Dept. Bismarck, 18.441 mi. earth road Project 181, Ward Co., 153,430 cu.yd. excav., etc. to Schultz Bros., Bowbells, $79,536; 17.402 mi. earth road Project 183, McIntosh Co., 123,-762 cu.yd. excav., etc., to R. Burnstad, Napoleon, $47,000; 12 mi. earth road Project 86, Ward Co., 114,956 cu.yd. excav. etc. to Druhl & Kemper, Minot, $60,266.

N. D., Napoleon—Logan Co., grading 20 mi. road from Fredonia north, to Stanley Bros., St. Cloud, Minn., $43,350; culverts to N. Brolander, Lidgerwood, $1,452.

Missouri—State Hy. Dept., Jefferson City, constructing roads (20-32-Saline means Route 20, Sect 32, Saline Co.) 4.059 mi. **20-32-Saline**, to A. W. Mosley, 529 Kansas City Ave., Excelsior Springs, $18,902; 5 mi. **64-11-Hickory**, to Vincennes Bridge Co., Vincennes, Ind., $16,112; 5 mi. **State Project 206, Ripley Co.** and 5 mi. **7-84-Texas**, to Missouri Bridge & Iron Co., Fullerton Bldg., St. Louis, $17,298 and $27,096 respectively; 2.061 mi. **16-94-Mississippi**, to Energy Supply Co. Poplar Bluff, $51,832; 5 mi. **25-4-St. Genevieve**, to H. A. Worman, Pittsfield, Ill., $28,305; 5 mi. **24-13-St. Clair**, to A. A. Davis Co., Grain Exch. Bldg., Oklahoma City, Okla., $49,260; 4.88 mi. **3-5-Mercer**, to M. Haase, Trenton, $6,724; 3.296 mi. **1-40-Clay** to J. C. Lyle, Kansas City (street address not available), $14,008; 0.54 mi. **3-33-Carroll**, to Cameron Joyce & Co., Keokuk, Ia., $21,040; 4.625 mi. **1-39-Platte**, to Land Constr. Co., Ballinger Bldg., St. Joseph, $30,038; 0.54 mi. **3-34-Carroll**, to O. J. Pemberton, Wakenda, $8,564; 5 mi. **1-23-Andrew**, to F. M. Clark, Savannah, $18,935; 4.897 mi. **20-31-Saline**, to H. H. Hanenkratt, Kansas City (street address not available) $31,264; **12-53-Franklin**, to Vedder & Kasmann, Union, $32,279; **7-27-Randolph**, to P. J. Murphy, Moberly, $14,100; 1.618 mi. **64-11-Hickory**, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, $53,770. Noted May 31.

Mo., Clayton—St. Louis Co. concrete paving and bridging, etc., 12,575 cu.yd. Ozark Trail, to Cooper Constr. Serv. Co., Federal Reserve Bldg., St. Louis, $37,238. Noted May 24.

Mo., St. Charles—Reconstructing 4 mi. Booneslick Rd., 18 ft., tarvia and gravel, to Bangert Bros. Constr. Co., Ferguson, $119,377. Engrs. est. $120,000.

Tex., Abilene—For 15,000 sq. yd. warrenite bitulithic, black base, to West Texas Constr. Co., Cotton Exch. Ft. Worth, $2.80 sq.yd.

Tex., Angleton—Brazoria Co. grading, mud shell surfacing, etc., 5.58 mi. State Highway 19, 16 ft., 86.05 cu.yd. concrete, 20,487 cu.yd. roadway and 6,932 cu.yd. borrow excav., to P. G. Burns, San Bernardo, $22,960; 17,697 cu.yd. shell to be furnished by county, $38,200. Engrs. est. $65,000.

Tex., Cleburne — Johnson Co. grading, gravel surfacing, etc., 30 mi. State Highways 2 and 2-E, 30 ft., to McClung Constr. Co., Cleburne, $248,701. Noted May 17.

Tex., Ft. Worth—To West Texas Constr. Co., Cotton Exch., warrenite bitulithic paving West 7th St., from Colwyn to Camp Bowie Blvd., 13,400 sq.yd. pavement on 5 in. concrete base $3.18, 9,000 lin.ft. curb $0.45, 18,000 sq.yd. gutter $0.275, 4,000 sq.yd. excav. $0.90, earth rock $2.50, Denver Ave. from Central to Grand Sts., 4,300 sq. yd. paving $3.18, 2,900 sq.yd. gutter $0.275, 1,000 cu.yd. excav. $0.90; to General Constr. Co., Cotton Exch., Jennings Ave. from Railroad to Terrell Sts., 13,860 sq.yd. 1½ in. Uvalde rock asphalt $1.50, etc.

Tex., Hemphill—Sarbine Co., grading, gravel surfacing, etc., 4.41 mi. State Highway 21, 16 ft., 486.5 cu.yd. concrete, 44,859 cu.yd. roadway and 16,862 cu.yd. borrow excav., 51,709 lb. reinforcing, to R. H. Minturn, Hemphill, $39,145; 9,632 cu.yd. gravel furnished by county pits. Engrs. est. $44,119. Noted May 24.

Tex., Kountze — Hardin Co., grading, gravel surfacing, etc., 15.66 mi. State Highway 40, 16 ft., to Brammer & Wilder, 7308 Stewart Bldg., Houston, $82,155.

Tex., Palo Pinto—Palo Pinto Co. grading and surfacing 9.81 mi. State Highway 1. Project 369 and 5.81 mi. Highway 1, Project 356, to Smith Bros., Amer. Natl. Bank Bldg., Dallas, $154,400 and $81,945 respectively. Engrs. est. $177,500 and $100,000 respectively. Noted May 31.

Okla., Durant—Grading and paving 11 blocks Elm St., 15,000 sq.yd. concrete, to Maxey Constr. Co., Durant, $57,835. Noted Mar. 1.

Okla., Garber—Grading, concrete, curbing, guttering and paving 6 blocks Main St., 14,-500 sq.yd. asphalt, etc., to Western Paving Co., Tradesmens Bldg., Oklahoma City, $74,689. Noted May 17.

Colo., Denver—Concrete paving 12 blocks Alley Paving Dist. 91, and 12 blocks Alley Paving Dist. 94, to A. J. Collins, 2363 Blake St., $23,809 and $21,608 respectively, engrs. est. $27,703 and $25,860 respectively; 12 blocks Alley Paving Dist. 93, and 12 blocks Alley Paving Dist. 96, to J. Fred Roberts Constr. Co. Tramway Bldg., $16,369 and $20, 317 respectively, engrs. est. $21,468 and $23,105 respectively; 12 blocks Alley Paving Dist. 95, to R. M. Larsen, 1309 Kalamath St., $15,528. Engrs. est. $19,258. All foregoing 16-20 ft. Noted May 10.

Idaho — Commissioner Pub. Wks., 202 Pioneer Bldg., Lewiston, 23,409 cu.yd. crushed rock surfacing North and South Highway, Federal Aid Project 68, Idaho Co., to General Constr. Co., Spokane Savings and Loan Bldg., Spokane, Wash., $50,-602; District Engineer, Pocatello, 71,930 sy.yd. paving and one 24 x 70 ft. concrete bridge between Gibson and Blackfoot, Federal Aid Project 61, Bingham Co., 1,351 cu.yd. concret, 71,668 sq.yd. subgrade, 30,-371 cu.yd., earth excav., to J. C. Maguire, Pocatello, $177,528, grading and gravel surfacing, etc., 4.89 mi. Yellowstone Park Highway, Federal Aid Project 61-B, Bing-

Streets and Roads (Continued)

ham Co., 10,205 cu.yd. crushed rock or gravel surfacing, 3,100 cu.yd. excav., stripping pits, 14,174 cu.yd. earth excav., etc., to Gleim & Schafer, Pocatello, $25,411. Noted May 3.

Wash., Aberdeen—Paving Alder St., concrete, to Haukeli, Hagg & Co., Aberdeen, $29,981.

Wash., Burlington—Paving Main St., et al., 6 in. concrete, to Norris Bros., Burlington, $39,474. Engrs. est. $45,903.

Wash., Tacoma—Paving North Yakima Ave. from Division Ave. to North 13th St., bitulithic concrete, to C. E. Torkelson, 4339 East G. St., $39,500. Engrs. est. $43,006.

Ore., Portland—Multonan Co., Concrete paving Taylor's Ferry Rd., to Cochran Constr. Co., 415 South Syracuse St., 2,500 cu.yd. common excav. $0.50, 1,500 cu.yd. old macadam $0.90 and 1,600 cu.yd. solid rock $3.40, 200 lin.ft. 6 in. waterbound macadam, $2.75, 8,356 sq.yd. 7 in. concrete $2.30, 300 cu.yd. crushed rock $3.50, etc. total $29,218.

Calif., Auburn—Grading, curbing, guttering and paving portions Commercial and Court Sts., to Skeels & Hudson, P. O. Box 477, grading $0.10 per sq.ft., 5 in. concrete pavement $0.25, concrete curb and gutter $1.06, concrete gutter $0.60; Tuttle, Reamer, Cleveland and Center Sts., etc., to E. F. Hilliard, 1355 43rd St., Sacramento, 60,000 sq.ft. grading $0.07, 60,000 sq.ft. 5 in. concrete $0.24, 2,800 ft. concrete curb and gutter $1, etc.

Calif., Fresno—Grading, concrete curbing, guttering, sidewalks and paving Abbey St., 95,379 sq.ft. grading, 85,881 sq.ft. asphaltic pavement, etc., to T. A. Hanrahan, Brix Bldg., $31,100. Noted May 3.

Calif., Hayward—Grading, concrete curbing, guttering and paving with 2 in. asphaltic concrete on 3½ in. base B St., 110,000 sq.ft. grading, etc., to J. A. Costello, Jr., 1083 Shotwell St., San Francisco, $32,-900. Noted Apr. 19.

Calif., Los Angeles—Improving Van Ness Ave. between Beverly St. and Lemon Grove Ave., to Jahn & Bressi, Byrne Bldg., lump sum for grading $1,800, 160,651 sq.ft. concrete pavement $0.23, 1,413 lin.ft. concrete curb $0.65, 15,707 sq.ft. walks $0.20, 687 sq.ft. gutter $0.30, 127 ft. house sewers $0.75.

Calif., Visalia—Grading, concrete curbing, guttering, laying sewers and paving North and South Willis Sts., to Valley Paving & Constr. Co., Visalia, 2,807 cu.yd. grading $1.50, 194,370 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete $0.205, 3,438 lin.ft. concrete curb $0.70, 7,452 lin. ft. concrete gutter $0.50, 1,078 ft. 8 in. vitr. sewer $1.50, etc. Noted May 17.

Quebec—Provincial Hy. Dept., Quebec, bituminous macadamizing 40 mi. highway from St. Johns, Iberville Co., to Rouses Point, N. Y., 16 ft., to W. S. Dalsin, Portland St., Sherbrooke, $259,000.

Ont., Burlington—Council, concrete, pavements, to McArthur Eng. Co., Douglas St., Guelph, $2.10 per sq.yd. Engrs. est. $35,000.

Ont., Leamington—Concrete paving Erie and Askew Sts., to Chick Constr. Co., McDougall St., Windsor, $49,500. Noted Apr. 19.

Ont., Ottawa—Suburban Rd. Comn., paving with asphaltic concrete Bowesville, Merivale and Metcalfe Rds., to Standard Paving Co., Elgin St., $83,336. Noted May 17.

Ont., Ottawa—Paving Sunset Ave. from Bronson Ave. to Driveway, and Carlington Ave. from Fairmont to Parkdale Aves., 7,500 sq.yd. asphalt, 5,200 lin.ft. concrete curb and gutter; Carlington Ave. to O'Leary Bros., Bank National Bldg., $25,000; Sunset Ave. will be done by day labor, $10,000.

Ont., Tavistock—Will pave 20,000 sq.yd. Main St., tarvia macadam, by day labor, $45,000. F. J. Ure & Sons, County Bldg., Woodstock, engrs.

Mexico—See "Railways."

Industrial Works

PROPOSED WORK

Mass., Boston—City having plans prepared by Mulhall & Holmes, 248 Boylston St., 2 story, 53 x 200 ft. garage with 30 x 65 ft. ell, rein.-con. and brick, Albany St. $150,000. Noted Apr. 5.

Conn., Danielson—Danielson Wet Wash Laundry, 19 Center St., plans 2 story, 50 x 70 ft. laundry, brick and steel, plain foundation, Center St. $40,000. Engineer and architect not selected.

Conn., East Hartford (Hartford P. O.)—Mutual Gas & Oil Co., 371 Windsor St., Hartford, plans 3 story garage and storage house, brick and steel, plain foundation, Tolland St., here. $60,000. Engineer and architect not selected.

Conn., Hartford—A. Bergman, 261 Pleasant St., having plans prepared by J. E. Marchetti, 721 Main St., 3 story, 45 x 60 ft. storage building, brick and steel, plain foundation, Market and Pleasant Sts. $40,000.

Conn., Hartford—Connecticut Beef Co., 53 Hoadley Pl., having plans prepared by W. T. Marchant, 36 Pearl St., 3 story, 50 x 150 ft. and 50 x 100 ft. warehouse, brick and timber, plain foundation, Huntley Pl. $150,000.

Conn., Hartford—H. A. Sillence, 19 Adelaide St., plans 2 story and basement, 50 x 60 ft. storage building, brick, plain foundation. $40,000. Private plans.

Conn., Middletown—B. Williams, 34 Silver St., South Farms, (Middletown P. O.), had plans prepared 1 story and small basement, 90 x 90 ft. garage, brick and steel, plain foundation, Center St., here. $40,000. Private plans.

Conn., New Haven—A. B. Hendryx Co., 86 Audubon St., had plans prepared by C. S. Palmer, 114 Whitney Ave., 4 story, 45 x 50 ft. factory, brick and steel, plain foundation, Audubon St. $75,000.

Conn., New Haven—C. Roessler, 60 Pearl St., having plans prepared by R. W. Fabian, 147 Bradley St., 1 and 2 story, 20 x 60 ft. and 30 x 80 ft. garage and factory, brick, plain foundation, State St. $60,000.

Conn., South Norwalk—Hatch & Bailey Co., Marshall St., having plans prepared by W. W. Dawson, Norwalk, 3 story, 35 x 40 ft. factory, $45,000; 3 story, 25 x 65 ft. kiln, $40,000; 2 story, 30 x 50 ft. storage building, all brick, plain foundations, Marshall St.

N. Y., Albany—Albany Garage Co. plans brick and steel garage addition, Beaver St. To exceed $50,000. C. D. Hakes, pres.

N. Y., Brooklyn—J. J. Frill, 1473 Bway., having plans prepared by M. Klein, archt. and engr., 37 Graham Ave., 1 story, 130 x 175 ft., brick, steel and concrete garage, plain foundation, Troy Ave. $75,000.

N. Y., Rochester—F. B. Rae Oil Co., Cliff St., plans rebuilding plant recently destroyed by fire. $100,000. Engineer and architect not announced.

N. Y., Utica—Utica Hygeia Ice Co. plans artificial ice plant, steel and concrete, Wurz Ave. $75,000. Address C. A. Schmidt, 1124 Pleasant St.

N. Y., Waterford—Ford Mfg. Co., plans brick and concrete addition to knitting plant. $150,000.

N. Y., Westfield—C. A. Reynolds, Falconer., plans gasoline, kerosene and oil distributing station, Main St., here. $40,000-$50,000. Engineer and architect not announced.

N. J., Keyport—Standard Motor Trading Co., c/o J. S. Crane, archt. and engr., 41 Park Row, New York City, soon takes bids 1 story, 171 x 196 ft., warehouse, fireproof, here. $75,000. Noted May 17.

Pa., Allentown—Exchange—Bell Telephone Co., Phila., plans brick building, Emaus St., here. $250,000. F. Roller, c/o owner, archt.

Pa., Dubois—Reliance Window Glass Mfg. Co. plans to rebuild factory recently destroyed by fire. $100,000. Engineer and architect not announced.

Pa., Erie—Continental Rubber Co., 12th and Liberty Sts., plans 3 story, 75 x 104 ft. factory addition, rein.-con. $55,000. Architect and engineer not announced.

Pa., Nanty Glo—Nanty Glo Businessmen's Assn., and New York Silk Mfg. Syndicate, plan 1 story power plant, and 3 story and basement, 80 x 140 ft. mill, steel, brick and concrete, along Blacklick River and Pennsylvania R.R. tracks. $150,000.

Ky., Hopkinsville—Dark Tobacco Growers Co-operative Assn. plans 25 warehouses, mostly brick, in various parts of Kentucky and Tennessee. $500,000.

Ky., Louisville—Summers-Herman Co., 905-11 South 3rd St., having plans prepared by D. X. Murphy & Bros., 714 Louisville Trust Bldg., 2 story, 95 x 100 ft. garage and sales building, 3rd and Breckinridge Sts. $75,000. Noted Feb. 1.

Ky., Newport—F. Voss & Sons, 417 West 7th St., plans to rebuild Major portion of lumber and planing mill, destroyed by fire. $125,000. Engineer and architect not announced.

Ky., Owensboro—Owensboro Clay Products Co., plans plant (with power house). $150,000.

O., Cleveland—J. Parrish, c/o Dickman-DeGroot Co., Williamson Bldg., having plans prepared by N. Pettl, Williamson Bldg., 1 story, brick and steel garage and show room building, on 35 x 192 ft. site, 7310 Carnegie Ave. $50,000.

Ind., Kendallville—Plans addition to electric light and waterworks plant, brick. $40,000. H. H. Mortoroff, city engr.

Ind., Vincennes—Blackford Window Glass Co. plans plant. $500,000. Simplex Eng. Co., Washington, Pa., engrs.

Mich., Detroit—Book Estate, Book Bldg., having plans prepared by L. Kamper, Kamper Bldg., Cass Ave., 20 story and basement, 100 x 175 ft., brick, steel and rein-con. garage, caisson foundation, Washington Blvd. $450,000.

Wis., Berlin—Schaefer Mfg. Co., making plans 1 story, 60 x 120 ft., machine and service shop, brick, rein.-con. and steel, plain foundation. $40,000. F. D. Chapman, genl. mgr. Private plans.

Wis., Fond du Lac—St. Agnes Hospital, 309 East Division St., having plans prepared by R. E. Schmidt, 104 South Michigan St., Chicago, 1 story, 50 x 90 ft., brick, rein.-con. and steel, power plant, plain foundation. $40,000.

Wis., Milwaukee—M. Carpenter Baking Co., 102 7th St., having revised plans prepared by C. Barkhausen, 79 Wisconsin St., 1 story and basement, 42 x 104 ft. and 50 x 52 ft., brick and concrete baking additions, plain foundations. Noted Apr. 26.

Wis., Strum—J. Maloney making plans 1 story, 50 x 70 ft., garage and repair shop, brick and timber, plain foundation. $40,-000. Private plans.

Wis., Tomahawk—Tomahawk Shoe Co. making plans 2 story, 50 x 90 ft., brick, rein.-con. and steel factory addition, plain foundation. $50,000. Private plans.

Minn., Minneapolis—L. Kinsell, 409 East 18th St., having plans prepared by Ekman, Holm & Co., 302 Phoenix Bldg., 2 story and basement, 132 x 157 ft. garage, rein.-con., brick and tile, 5th Ave. S. and 3rd St. $125,000.

Minn., Moorhead—C. Schill having plans prepared by J. E. Rosatti, 117 Bway., Fargo, N. D., 2 story and basement, 50 x 140 ft. garage, rein.-con. and brick. $45,000.

N. D., Minot—K. Kulaas soon lets contract 2 story and basement, 80 x 150 ft., rein.-con., brick and tile garage. $45,000. T. L. Rush, Minot, archt. Noted Apr. 26.

Mo., Kansas City—J. W. Griffin, c/o Wilkinson & Crans, archts., 608 Interstate Bldg., having plans prepared 1 story and part basement, 165 x 235 ft., brick and steel factory. $60,000.

Mo., St. Louis—Warren Steel Casting Co., 3400 Maury Ave., plans rebuilding 1 story, 100 x 200 ft. plant, recently destroyed by fire. $75,000. Engineer and architect not announced.

Tex., Childress—Ft. Worth & Denver City R. R., Record Bldg., Ft. Worth, making plans and soon takes bids rebuilding paint and machine shops, brick, recently destroyed by fire, here. $50,000-$75,000. M. A. Stainer, ch. engr.

Tex., Dallas—Dallas Pottery Co., Ft. Worth Pike, had plans prepared plant in Love Field Industrial Dist. $75,000. T. Jackson, mgr. Engineer and architect not announced.

Okla., Guthrie—Atchison, Topeka & Santa Fe R.R. Co., 179 West Jackson St., Chicago, soon takes bids 1 story, 50 x 200 ft., rein.-con. machine shop. H. W. Wagner, Topeka, Kan., div. engr.

Calif., Glendale—Crescent Creamery Co., 237 Winston Ave., Los Angeles, having plans prepared by Morgan, Walls & Morgan, Van Nuys Bldg., Los Angeles, rein.-con. dairy buildings, incl. 2 story, 95 x 190 ft. main building, 95 x 150 ft. boiler house, here. To exceed $75,000.

Calif., Hueneme—Siebel Air Spring Co. represented by C. Pilgrim, plans factory. To exceed $50,000.

Calif., Los Angeles—Central Mfg. Dist. of Los Angeles, Title Insurance Bldg., having plans prepared by F. D. Chase, Inc., Title Insurance Bldg., 6 story, 90 x 150 x 150 ft., industrial loft building, brick and concrete. To exceed $500,000.

Calif., Los Angeles—Garland & Dickson, c/o J. M. Cooper, archt., Marsh Strong Bldg., had plans prepared 2 story and basement, 100 x 150 ft., brick, auto sales supply building, Hill and 18th Sts.

Calif., Los Angeles—Pacific Coast Biscuit Co., 652 Imperial St., having plans prepared 4 story and basement factory, brick, Jessie and 6th Sts. To exceed $100,000. Private plans.

Calif., Los Angeles—J. W. Robinson Co., 600 West 7th St., had plans prepared by Norton & Wallis, Pacific Finance Bldg., 1 story, 105 x 185 ft., brick garage, 8th and Whittier Sts. $40,000.

Calif., Los Angeles—W. Volker Furniture Co., 532 South Alameda St., having plans prepared by A. C. Martin, Higgins Bldg., 3 story, 100 x 250 ft. factory, rein.-con., East 7th St. $150,000.

Calif., Merced—L. R. Lurie, 315 Montgomery St., San Francisco, had plans prepared by O'Brien Bros., Inc., 315 Montgomery St., San Francisco, 1 story, auto-sales and service station, concrete, here. $50,000. Fleutsch & Lewis Motor Co., Merced, lessee.

Calif., Oakland—Victor Talking Machine Co., c/o W. Knowles, archt., Hearst Bldg., San Francisco, having plans prepared factory, fireproof, 73rd Ave. $250,000.

Industrial Works (Continued)

Calif., Ontario—Citrus Fruit Assn. plans packing plant, San Antonio Ave. To exceed $50,000.

Calif., San Bernardino—Atchison, Topeka & Santa Fe Ry. Co., Kerckhoff Bldg., Los Angeles, plans machine, tin and pipe shops, here. To exceed $500,000. R. B. Ball, Kerckhoff Bldg., Los Angeles, ch. engr.

Calif., San Francisco — Pelton Water Wheel Co., 19th and Harrison Sts., plans 150 x 200 ft. factory, Harrison and 19th Sts. $300,000. Engineer and architect not selected.

Calif., San Francisco—Standard Sanitary Mfg. Co., 149 Bluxome St., having plans prepared by Weeks & Day, 315 Montgomery St., 5 story and basement, rein.-con. warehouse, Brannan and 9th Sts. To exceed $75,000.

Calif., San Pedro—See "Buildings."

Calif., Ventura—A. F. Gilmore Co., Van Nuys Bldg., Los Angeles, plans refinery, here. $40,000 or more.

Calif., Vernon (Watts P. O.) — Hoyt Heater Co., 2850 East 2nd St., Los Angeles, having plans prepared by Walker & Eisen, 325 Pacific Finance Bldg., Los Angeles, 2 story and basement, 100 x 125 ft., factory, brick, here. $75,000.

Que., Montreal — Harbor Comrs. of Montreal, plan 3 story, 50 x 50 ft. machine and blacksmith shop, concrete, Harbor Front. J. W. Harris, c/o owner, engr.

Ont., Kirkland Lake—Wright Hargreaves Mines Ltd. plans to increase mill from 70 tons to 400 or 500 tons per day. Private plans.

Ont., Renfrew—Renfrew Flour Mills Co. plans rebuilding flour mill, probably brick, recently destroyed by fire. $225,000. Engineer and architect not selected.

BIDS DESIRED

Conn., Stamford—J. and S. Gruber, 345 Summer St., taking bids and open same about June 12, 2 story, 80 x 90 ft., brick and steel garage, plain foundation, Beckley Ave., $55,000. Emmens & Abbott, Washington Bldg., archts. Noted May 31.

Md., Baltimore — June 10, by E. H. C. Browne, archt., Equitable Bldg., 1 story and basement, 45 x 100 ft. garage and store building, brick, 423 East Lombard St., for H. Gamse & Bro., 419 East Lombard St. $40,000.

Ky., Louisville—United States Foil Co., 30th and Hale Sts., receiving bids tin foil factory. $50,000.

Pa., Uniontown—Rankin Motor Co. c/o H. W. Altman, archt., Fayette Title and Trust Bldg., 2 story and basement, 52 x 102 ft., garage, Main St. $40,000. Work will be done by separate contracts. Contract for steel awarded W. N. Kratzer, 3212 Smallman St., Pittsburgh.

O., Cleveland—Cleveland Sanitary Wet Wash Co., c/o H. H. Hood, mgr., 6204 Central Ave., taking bids 1 story, 50 x 80 ft., brick and steel factory, Woodhill Rd. near Woodland Ave. $40,000. W. W. Launders, c/o owner, archt.

O., Orient—June 27, by Dept. Pub. Welfare, 9th and Oak Sts., Columbus, 1 story and basement, 48 x 115 ft. cold storage plant, brick and concrete, on grounds of Institution for Feeble Minded, here. $60,000. R. S. Harsh, Ohio-Hartman Bldg., Columbus, archt.

O., Gallipolis—See "Buildings."

Ill., Chicago—W. C. Presto, archt., 111 West Washington St., receiving bids 1 story, 175 x 200 ft. auto sales and service station, fireproof, Lawrence Ave. near Whipple St., for A. D. Schuller, c/o architect, $75,000.

Ill., Dolton—J. T. Hatton, archt., Hammond Bldg., Hammond, Ind., receiving bids 2 story, factory, rein.-con., brick and steel, 138th St. and Ingleside Ave., here, for Chin Chin Chemical Co., 8 South Dearborn St. $400,000.

Minn., Minneapolis—P. E. Crosier, archt., 915 New York Life Bldg., taking bids 1 story and basement, 150 x 150 ft. garage, brick and tile, Aldrich Ave. N and Bway. $65,000. W. H. Kuhlman Co., 605 West Bway., lessee.

Minn., St. Paul—June 12, by State Bd. of Control, Capitol, 3 story and basement dairy, rein.-con., brick and tile, College of Agriculture, State U. $210,000. C. H. Johnston, 715 Capital Bank Bldg., Archt. Noted July 20.

Calif., Los Angeles — Walker & Eisen, archts., Pacific Finance Bldg., receiving bids 4 story and basement, (ultimately 8 story), rein.-con. garage and store building, Kenmore and 6th Sts., for J. B. Lilly, et al, c/o architects.

CONTRACTS AWARDED

Mass., Boston—See "Buildings."

Mass., Boston—Gillette Safety Razor Co., 41 West 1st St., 8 story, 75 x 100 ft. factory, rein.-con. and brick, wood pile foundation, to W. A. and H. A. Root Co., 1 Beacon St., $400,000.

Mass Westfield—H. B. Smith Boiler Co., constructing foundry, 40,000 sq.ft. floor space, brick and steel, plain foundation, to Morrisey & Stowell, 137 State St., Springfield, Archts. est. $50,000.

Connecticut—Dixie Gas Co., Hartford, gas stations at Sunsbury, New London and Windsor Ave., Hartford, concrete and steel, plain foundations, to Lawrence & Coe Constr. Co., 372 Trumbull St., Hartford. Archts. est. $80,000.

Conn., Bristol—Blakesley Novelty Co., 83 Laurel St., 1 story, 40 x 50 ft. factory, brick and steel, plain foundation, Laurel St, to E. J. Anderson, 45 Harrison St. Archts. est. $40,000. Noted May 31.

Conn., East Hampton—Summit Thread Co., 19 Summit St., 3 story, 40 x 60 ft. factory, brick, plain foundation, to L. A. Miller, 22 Church St., Meriden. Archts. est. $45,000.

Conn., Hartford—See "Buildings."

Conn., Hartford—H. P. Townsend Mfg. Co., 5 Chestnut St., 2 story, 60 x 80 ft. brick and steel factory, plain foundation, Walnut St., to E. W. Canning & Co., 246 Laurel St. Archts. est. $65,000.

Conn., New Britain—Amer. Hardware Corp., Franklin St., 2 story, 15 x 80 ft. power plant, brick, plain foundation, Park St., to W. H. Allen Co., Hungerford Court. Archts. est. $50,000. Noted May 31.

Conn., New Haven—Natl. Folding Box & Paper Co., James St., 6 story, 60 x 120 ft. rein.-con. factory, plain foundation, to Dwight Building Co., 69 Church St. Archts. est. $170,000. Noted May 24.

Conn., Waterbury—S. Craicerstein, 14 Lafayette St., 2 story, 50 x 60 ft. storage plant, brick, plain foundation, Lafayette St., to M. Scavuzzo, 1028 North Main St. Archts. est. $40,000.

N. Y., Brooklyn—S. Ageloff, 26 Court St., will build brick, steel and concrete garage, plain foundation, Chauncey St., by day labor. $50,000. M. Klein, 37 Graham Ave., archt. and engr.

N. Y., Brooklyn—Terahin Realty Corp., c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., will build brick, steel and concrete garage, plain foundation, 10th St., by day labor. $50,000.

N. Y., New York—Almond Realty Co., Inc., c/o Sugarman & Hess & Berger, archts. and engrs., 16 East 43rd St., 14 story, 85 x 98 ft. loft, brick, steel and stone, 251-259 West 36th St., to J. G. Siegel Inc., 343 Madison Ave., New York.

Pa., Brownsville—Ehrenpries Tire Sales Co., 2 story and basement, 37 x 90 ft., garage, to Brownsville Constr. Co., Brownsville. Archts. est. $40,000.

Pa., Latrobe—Railway Steel Spring Co., 30 Church St., New York City, 1 story, 178 x 1,000 ft. machine shop, manufacturing and office building, brick tile and steel, here, to McClintoc-Marshall Co., Oliver Bldg., Pittsburgh. Archts. est. $350,000. Noted May 24.

Fla., Orlando—I. W. Phillips & Sons, 1 story, garage, concrete, steel and stucco, Orange and Jackson Sts., to L. C. Townsend, Orlando, cost plus percentage basis. Est. cost $90,000.

Ala., East Thomas (Birmingham, P. O.) —St. Louis & San Francisco Ry., 900 Olive St., St. Louis, Mo., 20 stall round house, car repair shop, power house, mill shop, store room, etc., brick and concrete, here, to J. M. Olsen, 626 Delmar St., Springfield, Mo. Archts. est. $500,000. Noted Mar. 8.

Ky., Central City—Illinois Central R.R., 135 East 11th Pl., Chicago, engine house, here, to J. E. Nelson & Sons, 3240 South Michigan Ave., Chicago. Engrs. est. $300,000.

Ky., Paducah—Paducah Electric Co., enlarging power plant, to Stone & Webster, Inc., 147 Milk St., Boston, Mass. Archts. est. $300,000. Noted May 24.

O., Cleveland—Blazer Realty Co., 3402 Altoona Ave., 1 story, 40 x 126 ft., brick and timber garage, to H. E. Klefman Co., 2834 Lorain Ave. Archts. est. $40,000.

O., Cleveland—Cleveland Piston & Mfg. Co., 1388 West 70th St., 1 story, 60 x 100 ft., brick and timber factory, Scranton Rd., to Lehder Constr. Co., Rose Bldg. Archts. est. $40,000.

O., Cleveland—Superior-Forty-Ninth Co., c/o G. Paul, Fidelity Mortgage Bldg., 1 story, 182 x 218 ft. brick, steel and concrete garage, 5001 Superior Ave., to Paul Bros., Fidelity Mortgage Bldg. Archts. est. $100,000. Noted Apr. 5.

O., Cleveland Heights (Warrensville P. O.)—See "Buildings."

O., Norwood (Cincinnati P. O.)—Kemper-Thomas Co., Park Ave., 3 story, 60 x 240 ft., rein.-con. factory, plain foundation, to Ferro Concrete Constr. Co., 3rd and Elm Sts., Cincinnati, $200,000. Noted May 10.

Ind., South Bend — Studebaker Corp., Main and Bronson St., 1 story and mezzanine, 660 x 683 ft., brick, steel and concrete foundry, Prairie Ave., to H. G. Christman Co., 315 Stevens Bldg., Detroit, Mich. Noted May 10.

Mich., Lansing—Michigan Butter & Egg Co., 701 East Kalamazoo St., general contract 3 story, 50 x 50 ft., cold storage plant, brick, to G. Hagemerr, 610 Seymour Ave. Archts. est. $50,000.

Ill., Chicago—N. T. Brenner, 954 West 21st St., 1 story, 102 x 300 ft. factory, fireproof, 3436-52 South Kedzie Ave., to Complete Artificial Stone Co., 3222 Elston Ave. Archts. est. $300,000. Noted May 10.

Ill., Chicago—Curtis Ledger Fixtures Co., 1115 West Jackson Blvd., 6 story, 56 x 178 ft. factory, fireproof, 1119-1129 West Jackson Blvd., to C. B. Johnson Sons Co., 111 West Washington St. Archts. est. $225,000.

Ill., Chicago—M. Espert, 236 North Clark St., 6 story and basement, 100 x 123 ft., fireproof garage and service station, Dearborn and 26th Sts., to Wells Bros. Constr. Co., 53 West Jackson Blvd. Archts. est. $300,000.

Ill., Chicago—W. A. Jones Fdry. and Machine Co., 4401 West Roosevelt Rd., 1 story, factory, fireproof, 4415-27 West Roosevelt Rd., to C. B. Johnson & Sons, 111 West Washington St. Archts. est. $50,000.

Ill., Chicago — Link Belt Co., Stewart Ave. and Pershing Rd., 1 story, 41 x 70 ft. and 22 x 170 ft. factory, fireproof, 327-339 West Pershing Rd., to G. Thompson & Co., 30 North La Salle St. Archts. est. $150,000.

Ill., Chicago—J. T. Ryerson & Son, 16th and Rockwell Sts., 1 story, 110 x 116 ft. warehouse, fireproof, to G. Thompson & Son, 30 North La Salle St. Archts. est. $75,000.

Ill., Chicago—B. S. Schwartz, c/o D. S. Klafter, archt., 64 West Randolph St., 1 story, 125 x 150 ft. fireproof garage, Lawrence Ave. near Kentucky St., to Behrens Constr. Co., 2149 North Talman Ave. Archts. est. $50,000.

Ill., Chicago—Western Shade Co., 2100 South Jefferson St., 4 story, 80 x 290 ft. factory, fireproof, 2023-2136 Jefferson St., to J. Hammond, 2216 West Harrison St. Archts. est. $400,000.

Ill., Granite City—Commonwealth Steel Co., Granite City, 1 to 3 story, 100 x 400 ft. pattern shop, power house and foundry, 100 x 450 ft. core room, incl. crane, ovens and metal pattern shop, by day labor. Private plans. Noted May 24.

Ill., Freeport—Arcade Mfg. Co., 1 Columbus Ave., 3 story, 66 x 196 ft. factory addition, fireproof, by day labor, under supervision of B. C. Trueblood, 161 Whistler St., $100,000. C. W. Wolfley, Stewart Bldg., Rockford, archt.

Wis., Milwaukee — Building Finance & Constr. Co., 786 12th St., will build 2 story, 60 x 120 ft., brick and timber, laundry, plain foundation, National Ave., by day labor. $50,000. G. Zagel & Bro., 144 Oneida St., archts.

Minn., Minneapolis—Northwestern Glass Co., 219 2nd St. N., 4 story and basement, 61 x 66 x 162 ft. warehouse, rein.-con. and brick, 215 2nd St. N., general contract to Farnam Constr. Co., 5047 Gladstone Ave. Total $75,000.

Wis., Milwaukee—Lindemann-Hoverson Co., 2nd and Cleveland Aves., 1 story, 111 x 112 ft., brick and timber warehouse, plain foundation, Cleveland Ave., to Klug & Smith, 69 Wisconsin St. Engrs. est. $50,000.

Wis., Green Bay—A. Libert Machine Co., 324 North Roosevelt St., 1 story and part basement, 55 x 100 ft. machine shop, brick and timber, plain foundation, to O. Henkelmann, 1102 Chicago St., and J. H. Geniessee, 820 South Jackson St. Archts. est. $40,000. Noted May 3.

Minn., St. Paul—L. F. Dow Co., 381 Jackson St., 3 story and basement, 100 x 200 ft. factory, brick, tile and stone, University Ave. near Hampden Ave., general contract to Gauger-Korsmo Constr. Co., 604 Exchange Bank Bldg. Total $200,000.

Mont., Conrad—Distribution system and supply line from reservoir to city, 21,000 cu.yd. excav. and fill, 29,615 ft. 6-10 in. c.i. pipe, etc., to McLaughlin & O'Neal, Livingston, $21,894. Noted May 10.

Tex., Dallas — J. J. Lyons, c/o J. A. Pitzinger, archt., 808 Southwestern Life Bldg., 6 story, 100 x 120 ft., concrete, brick and steel, plain foundation, Hord and Carter Sts., to Inge Constr. Co., Swiss and Hawkins Sts., $100,000. Noted May 24.

Okla., Tulsa—J. Thomas, 118 East 1st St., 1 story and basement, 100 x 140 ft., rein.-con. and brick garage, to R. M. Gilliland, 203 Lynch Bldg., $40,000.

Wash., Seattle—Pacific Telephone & Telegraph Co., 2 story, 129 x 163 ft. garage, and 1 story addition to present garage, concrete and steel, 806 Fairview Ave., to Sound Constr. & Eng. Co., Lowman Bldg. Archts. est. $160,000.

Industrial Work (Continued)

Calif., San Francisco—American Can Co., Mills Bldg., 2 story, rein.-con. addition to factory, 3rd and 21st Sts., general contract to Lindgren Co., Monadnock Bldg., $300,000; reinforcing steel to Columbia Steel Co., Balfour Bldg.

N. H., Gorham—Twin State Gas & Electric Co., 160 State St., Boston, 42 x 62 ft. hydro-electric generating plant, 30 ft. high, here, to Sanders Eng. Co., Portland, Me. Archts. est. $250,000.

Buildings

PROPOSED WORK

Mass., Chelsea (Boston P. O.)—High School—Schoolhouse Dept., City Hall, takes bids about June 27, 3 story 100 x 150 ft., rein.-con. and brick, wood pile foundation. $700,000. S. S. Eisenberg, 46 Cornhill, Boston, archt.

Mass., Northampton—Gymnasium—Smith College soon lets contract 2 story and basement, 80 x 170 ft., brick and steel, plain foundation, Elm St. $400,000. Ames & Dodge, 15 Exchange St., Boston, archts. Noted Dec. 28.

Mass., Williamstown—High School—Town having plans prepared by Peare Quiner Nevin & Chickering, 6 Beacon St., Boston, 2 story, 58 x 133 ft., brick and steel, Spring St. $150,000.

Conn., Bristol—Block—W. J. Malone, Center Bldg., had plans prepared by J. Devine, Federal St., 3 story, 50 x 100 ft., brick, plain foundation, School St. $155,000.

Conn., Bristol—Church—St. Joseph Roman Catholic Church, c/o O. T. Magnell, pastor, 37 Queen St., had plans prepared by J. A. Jackson, 185 Church St., New Haven, 60 x 170 ft., granite, plain foundation. $250,000.

Conn., Hartford—Apartment—A. Parskey, 22 Barker St., had plans prepared by H. H. Beckanstein, 1029 Main St., 3 story, 40 x 90 ft. brick, plain foundation, Vine St. $150,000.

Conn., Hartford — Business — Newton-Burnet Inc., 319 Asylum Ave., plans 4 story, 35 x 100 ft., brick and steel, plain foundation, Asylum Ave. $200,000. Engineer and architect not selected.

Conn., Hartford — Church — First Unitarian Society having plans prepared by M. S. Haymon, 36 Pearl St., granite, plain foundation, Pearl St. $160,000.

Conn., Hartford — Community — South Park Methodist Church, c/o W. Jennings, trustee, 33 Madison St., plans 3 story, brick, plain foundation, Main St. $150,000. Engineer and architect not selected.

Conn., Meriden—Community—All Saints Parish, c/o F. S. Lippitt, 201 West Main St., plans 3 story, brick, plain foundation, Morgan St. $150,000. C. S. Palmer, 114 Whitney Ave., New Haven, archt. Noted May 31.

Conn., New Haven—Apartment—H. Vernoff, Elm St., having plans prepared by J. Weinstein, Chapel St., 3 story, 50 x 100 ft., brick, plain foundation, Asylum St. $150,000.

Conn., New London—College—Connecticut College, Mohegan Ave., plans 2 story library, stone, $175,000; hall, brick, $250,000; 3 story, 80 x 100 ft. dormitory, brick and stone, $150,000; 3 story, 80 x 150 ft. dormitory, $175,000; chapel, brick and stone, $150,000; all plain foundations. B. T. Marshall, pres. Engineer and architect not selected.

Conn., Norwich—Hospital, etc.—F. M. Salmon, Comptroller of State, State Capitol, Hartford, receiving competitive plans 3 story nurses' home, and 2 story ward, brick, plain foundations, for Norwich State Hospital, here. $150,000 and $212,500 respectively. Noted Apr. 26.

Conn., Putnam — Nurses Home — Day-Kimball Hospital, 175 Pomfret St., plans 3 story, 40 x 80 ft. brick, plain foundation, $150,000. Engineer and architect not selected.

Conn., South Manchester—Church—St. Marys Episcopal Parish, c/o J. S. Neill, pastor, 49 Pearl St., plans church, probably brick, plain foundation. $160,000. Engineer and architect not selected.

Conn., South Manchester—Church—South Manchester Methodist Episcopal Church, plans native stone, plain foundation. $175,000. L. W. Case, Spring St., Highland Park, chn. building com. Engineers and architect not selected.

Conn., South Manchester—School—Fifth School Dist. plans 2 or 3 story, brick, plain foundation. $160,000. A. E. Loomis, Keeney St., chn. Engineer and architect not selected.

Conn., Stamford—Apartment—H. Grabsky, 234 Atlantic St., had plans prepared by W. R. Steinmetz, Gurley Bldg., two 3 story, brick, plain foundations, Henry St. $150,000 each.

N. Y., Brooklyn—Office—H. Wittemann, 188 Montague St., having plans prepared by M. Klein, archt. and engr., 37 Graham Ave., brick, steel and stone, plain foundation, Church Ave. and East 21st St. $600,000.

N. Y., Buffalo—Office—Walbridge Co., 392 Main St., having plans prepared 10 story, 94 x 102 ft., rein.-con., brick and steel, Court St. To exceed 500,000. Engineers and architects names withheld.

N. Y., Canton—Temple—V. P. Abbott, Gouverneur, and O. D. Young, 120 Bway., New York City, plan marble temple, on grounds of Beta Theta Pi Fraternity, here. $150,000-$200,000.

N. Y., Fairport—Bank—Fairport Natl. Bank, plans stone, concrete, brick and steel, South Main St. $160,000-$170,000.

N. Y., New York—Apartment—W. N. Smith, archt. and engr., 101 Park Ave., preparing plans 10 story, 50 x 100 ft., brick, steel and stone, plain foundation, 60th St. and Park Ave. Owner's name withheld.

N. Y., New York—Office—Northern Union Gas Co., 1815 Webster Ave., soon takes bids altering and building brick, steel and stone addition, plain foundation. $800,000. Jardine, Hill & Murdock, 50 East 42nd St., archts. and engrs.

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 79, 5 story, 175 x 200 ft., West 181st St. and Morris Ave., $850,000, also P. S. 10, East 109th St., $1,000,000, both brick, steel and stone, plain foundations.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 78, brick, steel and stone, plain foundation, Fish Ave. $850,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon takes bids P. S. 74, brick, steel and stone, plain foundation, Crotona and Prospect Aves. $850,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

N. Y., Watertown—Office and Store—Chamber of Commerce purchased site and plans office and storebuilding. $210,000. R. S. Baker, pres.

N. J., Camden—Theatre—Stanley Theatre Co., 13th and Market Sts., Phila., having plans prepared by Hoffman-Henon Co., Finance Bldg., Phila., 1 story and mezzanine, 110 x 160 ft., rein.-con., brick and steel, plain foundation, 6th and Market Sts., here. $1,000,000.

N. J., Trenton—Station—Pennsylvania R. R., Broad St. Sta., Phila., plans new passenger station, concrete platforms, here. $900,000 or $1,000,000. A. C. Shand, Broad St. Sta., Phila., engr.

Pa., Allentown—International Motor Co. plans 1 story, 50 x 70 ft. machine shop, steel, 10th and Harrison Sts. $50,000. Engineer and architect not announced.

Pa., Ridgeway—School—Bd. Educ. having plans prepared by M. E. Kressley, 13 4th St., Harrisburg, 2 story and basement, 75 x 250 ft. school. $150,000.

Pa., Uniontown — Hotel — White Swan Hotel Co., Uniontown, having plans prepared by Dreher & Churchman, Otis Bldg., Phila., 5 story and basement, 150 x 155 ft., brick and steel, West Main St., $500,000.

Md., Baltimore — Office — Chesapeake & Potomac Telephone Co., 725 13th St. N.W., Wash., D. C., having plans prepared by Stern & Tomlinson, Continental Trust Bldg., Wash., D. C., 20 story, brick and steel, St. Paul and Pleasant Sts., here. $2,000,000.

Md., Baltimore — Office — I. Silberstein, Equitable Bldg., had plans prepared by E. H. C. Browne, 607 Equitable Bldg., 5 story, 50 x 125 ft., concrete, Fayette and Paca Sts. $225,000.

Md., Crownsville—Dormitories—Crownsville State Hospital, 330 North Charles St., Baltimore, having plans prepared by H. P. Hopkins, 347 North Charles St., 2 and 3 story, 50 x 100 ft., brick. $200,000. A. P. Herring, supt.

W. Va., Charleston—Apartment—Rex Apartment Co., c/o Wysong & Jones, archts., Professional Bldg., having plans prepared 6 story and basement, 50 x 80 ft., brick, steel and tile, Virginia St. $150,000.

Fla., St. Petersburg—Hotel—R. E. Smith and associates had plans prepared by E. A. Nolan, St. Petersburg, 6 story, 90x90 ft., rein. con. and steel, 1st Ave. and 10th St. $200,000.

Ala., Montgomery—School—City plans 3 story, 100 x 200 ft., concrete, brick, stone and tile. $500,000. Engineer and architect not selected.

La., New Orleans — Store — Grunewald Music Co. Inc., 733 Canal St., plans 7 story, at 829 Canal St.

Tenn., Chattanooga—Hotel—J. B. Pounds, Pound Bldg., plans 12 story (150 rooms), annex to Hotel Patten, 11th and Market Sts. $200,000.

Tenn., Memphis — Schools — Shelby Co. having plans prepared by W. C. Lester, Madison Ave. Bldg., 3 story, 140 x 170 ft. at Hollywood, and 3 story, 135 x 136 ft. on Spottswood St., both brick and stone, $150,000 each. Noted May 13.

Tenn., Nashville—Church, etc.—Blakemore Methodist Church, Ashwood Ave., raising funds for church and Sunday school, West End and 30th Aves. $150,000. B. H. Klyce, 4th and 1st Natl. Bank Bldg., chn. building com.

Ky., Louisville — Apartment — Argonne Apartments, Inc., plans 4 story, 100 x 150 ft., 1st and Chestnut Sts. $300,000.

Ky., Louisville—Hotel—J. G. Brown, c/o Brown Lumber Co., 1522 6th St., plans 10 story, 300 room annex to hotel, 159 ft. frontage, Bway. $1,000,000.

Ky., Louisville — Terminal and Office — Louisville Ry. Co., 314 West Jefferson St., plans 100x400 ft. interurban tetrminal and office, 2nd and Liberty Sts. $1,000,000. Address J. P. Barnes, pres.

Ky., Murray—School—State Bd. Educ., Frankfort, plans State Normal School, here. $150,000. Joseph & Joseph, Francis Bldg., Louisville, archts.

O., Cincinnati—Cathedral—Masonic Building Com. plans cathedral, 5th and Sycamore Sts. $2,000,000. H. Hake, Telephone Bldg., archt.

O., Cincinnati—School—Bd. Educ. having plans prepared by S. Hannaford & Sons, 1024 Dixie Terminal Bldg., 2 story, 75 x 109 ft. addition to Avondale School, rein.-con., plain foundation, Reading Rd. $150,000.

O., Cleveland—Apartment—Bonar Realty Co., 309 Union Bldg., having plans prepared by Allen-Osborn Co., Rose Bldg., 4 story and basement, 40 suites, brick and steel, East 82nd St. near Euclid Ave. $300,000.

O., Cleveland — Apartment — S. Deckelbaum, 11502 Hopkins Ave., had plans prepared by M. Weis, 617 Union Bldg., 3 story, 37 x 124 ft., brick and timber, Cedar Rd. near Fairmount Blvd. $150,000.

O., Cleveland—Apartment—S. Glaser, 202 Ulmer Bldg., plans 6 story, 40 x 200 ft., brick and steel, 1900 Ansel Rd. $300,000. Engineer and architect not selected.

O., Cleveland—Sales, etc.—M. S. Koblitz, 422 Leader-News Bldg., plans 6 story, brick, steel and concrete sales and service building, on lot 60x190 ft., 1905 Prospect Ave. $200,000. P. Matzinger Co., Caxton Bldg., archts.

O., Cleveland — Store — McCrory Stores Corp., 1107 Bway., New York City, had plans prepared by W. M. Simpson, c/o owner, 4 story, 60 x 110 ft., brick, steel and concrete, 2041 East 4th St., here. $160,000. Noted Mar. 29.

O., Columbus—Hospital—St. Francis Hospital Assn., East State St., having plans prepared by McDonald, McDonald & McDonald, 1817 Clarion Ave., Cincinnati, 4 story and basement, 62½ x 187½, brick, stone and concrete, East State St. $200,000.

O., Youngstown — Church — Central Christian Church, South Market St., plans large addition to church and school. $175,000. M. M. Amundson, pastor. Engineer and architect not announced.

Ind., Bloomington—Dormitory and Memorial—University of Indiana plans dormitory and memorial, fireproof. $1,250,000. Lowe & Bollenbacher, 108 South LaSalle St., Chicago, archts.

Mich., Grand Rapids—Sanitarium and Hotel—Osgood & Osgood, archts., Fine Arts Bldg., making sketches and takes bids in Spring, 10 story and basement, 106 x 146 ft., fireproof, concrete pile foundation, Fulton St., for Burleson Sanitarium. $1,000,000.

Mich., Kalamazoo—Schools—Voted $160,000 bonds, 2 or 3 story, grade school, rein.-con., plain foundation, South Burdick St., and $275,000 bonds 2 or 3 story elementary school, Lovell St.

Mich., Lansing—Y. W. C. A., 210 Capitol St., plans home on South Capitol Ave. $350,000. Engineer and architect not announced.

Ill., Aurora—Storehouse—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, plans fireproof storehouse, here, to replace one destroyed by fire. $500,000. W. T. Krausch, engr. of buildings.

Ill., Belleville—Academy—School Sisters of Notre Dame, 3rd and Race Sts., had plans prepared by V. J. Klutho 1215 Syndicate Trust Bldg., St. Louis, Mo., 3 story, 60 x 200 ft., rein. con. and brick, West Main and 62nd Sts. $300,000.

Ill., Chicago—Apartment—S. Cohn, 149 South Crawford St., plans 3 story and basement, 125x200 ft., fireproof, Coles St. and

Buildings (Continued)

75th Pl. $200,000. A. L. Himelblau, 30 North Dearborn St., archt.

Ill., Chicago—Apartment—J. S. Smith, 7401 Clyde Ave., plans 3 story and basement, 100 x 100 ft., fireproof, 73rd and Luella Sts. $225,000. J. Hocke, 7602 Chappel Ave., archt.

Ill., Chicago — Apartment-Hotel — Kurt, Rosenthal & Co., 11 South La Salle St., plans 3 story, 165 x 172 ft., fireproof, Lunt and Greenview Sts. $250,000. S. M. Eichberg, 64 West Randolph St., archt.

Ill., Chicago—Church, Sunday School and Community — Bryn Mawr Community Church c/o Lowe & Bollenbacher, archts., 108 South La Salle St., plans 2 story, 134 x 200 ft., fireproof, Jeffer and 70th Sts. $200,000.

Ill., Chicago — Store — Hillmans Department Store, 20 North State St., plans 16 story, fireproof, 18 North State St. $3,000,000. Architect or engineer not selected.

Ill., Freeport—Hospital—Methodist Hospital Assn. plans 4 story, 100 bed, fireproof, $300,000. A. Van Nuys, secy. and mgr. Architect will be selected by competition.

Ill., Jacksonville—Bank—Farrell State Bank, Jacksonville, having plans prepared by Childs & Smith, 64 East Van Buren St., Chicago, 1 story, 50 x 100 ft., rein.-con., stone and steel. $200,000.

Ill., Joliet—School—Bd. Educ. plans 2 story, fireproof, Pleasant St. $150,000. Ashby, Ashby & Schultz, 1511 West Jackson Blvd., Chicago, archts.

Ill., Rockford—School—Bd. Educ. plans Rock River School, 2 story, 75 x 212 ft., fireproof. $175,000. Peterson & Johnson, Swedish Amer. Bank Bldg., archts.

Wis., Madison—Hotel—H. Fauerbach, 938 Spaight St., having plans prepared by Balch & Lippert, Gay Bldg., 5 story, 100 x 150 ft., brick, rein.-con. and steel, plain foundation, Monroe St. $300,000.

Wis., Madison—Apartment—H. E. Nichols, 1151 Rutledge St., plans 4 story, brick, rein.-con. and steel, plain foundation, Monroe St. $150,000. Architect not selected.

Wis., Madison—Store, etc.—Piper Bros. Grocery Co., 31 North Pickney St., having plans prepared by Balch & Lippert, Gay Bldg., 4 story, 60 x 90 ft., store and warehouse, brick, rein.-con. and steel, plain foundation. $150,000.

Wis., Manitowoc — Hospital — E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, soon take bids 4 story and basement, 52 x 248 ft., brick and concrete, plain foundation, for Holy Family Hospital, Alverno, here. $300,000. Noted Feb. 1.

Wis., Milwaukee — Office — Peacock & Frank, archts., 445 Milwaukee St., preparing preliminary plans 6 story and basement, 60 x 127 ft., brick and concrete, plain foundation. $175,000. Owner's name withheld.

Kan., Arkansas City—Store and Office—G. Gassman, 801 North 3rd St., had preliminary plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, 5 story and basement, 40 x 100 ft., rein.-con., stone, brick and terra cotta. $200,000.

Kan., Coffeyville—Auditorium—City had plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, 2 story and basement, 115 x 173 ft., brick, rein.-con. and stone. $175,000.

Kan., St. Francis—Courthouse—Cheyenne Co. had plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, 4 story and basement, 75 x 100 ft. rein.-con., brick and stone. $150,000.

Neb., Beatrice—Schools—Plans election to vote on $400,000 bonds to remodel 4 schools.

Neb., Grand Island—High School—Bd. Educ., having preliminary plans prepared by Kirschke & Crocker, Ryan Bldg., 3 story and basement, 64 x 272 ft., with 100 x 102 ft. wing, rein.-con., brick and stone. $350,000.

N. D. Mandan—High School—Bd. Educ. having plans prepared by G. Horton, Jamestown, 2 or 3 story and basement, rein-con., brick, stone and tile. $200,000.

Mo., Kansas City—School—Redemptorist Fathers, 325 Hunter St., having plans prepared by E. P. Madorle, 1105 Republic Bldg., 3 story and basement, 160x186 ft., rein.-con., brick and stone. $300,000.

Mo., Kansas City—Store—D. Snower, c/o Snower Mfg. Co., 18th and Walnut Sts., having preliminary plans prepared by McKechnie & Trask, 719 Floyd Bldg., 12 story and basement, rein.-con. and brick, 925 Walnut St. $400,000.

Mo., St. Louis — Hospital — Christian Hospital, 3540 North Grand Blvd., having plans prepared by Hoener, Baum & Froese, 1519 Federal Reserve Bldg., 4 story, 65 x 160 ft., brick and stone, plain foundation, Carter and Newstead Aves. $275,000.

Mo., St. Louis — Store — B. Nugent & Bros. Dry Goods Co., Washington St. and Bway., had preliminary plans prepared 10 story, 160 x 160 ft., rein.-con. and brick, concrete pile foundation, $3,000,000. Private plans.

Tex., Ft. Worth—Club—South Side Lodge F. & A. M., Henderson and Magnolia Sts., takes bids in summer 4 story and basement, 75 x 100 ft., steel and brick, plain foundation. $150,000. E. O. Jameson, 1618 Amer. Exch. Natl. Bank, Dallas, engr. J. B. Davies, 1308 Hemphill St., Ft. Worth, archt.

Tex., Ft. Worth—Y. M. C. A. c/o R. E. Squires, secy., 914 Monroe St., takes bids about June 15, 4 story and basement, 100 x 145 ft., rein.-con., steel, stone and brick, plain foundation, 5th and Lamar Sts. $250,000. J. W. Clarkson, First Natl. Bank Bldg., archt. Noted May 10.

Tex., Houston — Laboratory — Rice Institute, W. W. Watkins, archt., 212 Scanlon Bldg., and Cram & Ferguson, archts., 248 Boylston St., Boston, Mass., takes bids about June 25, 3 story and basement, brick and limestone, brick foundation, Rice Institute campus. $375,000.

Tex., Houston—Library—City having plans prepared by L. A. Glover, archt., 604 Binz Bldg., and W. W. Watkins, associated archt., 212 Scanlan Bldg., 3 story (1st unit), brick, stone and rein.-con., McKinney and Smiths Sts. $200,000. Noted Dec. 28.

Tex., San Antonio—Office—Phelps & DeWees, archts., 718 Gunter Bldg., soon lets contract 9 story, 80 x 110 ft., rein.-con., brick, tile and stone, concrete pile foundation, for Travis-St. Marys Co., 407 Navarro St. $200,000. W. E. Simpson Co., N B C Bldg., Engrs. Noted Apr. 12.

Okla., Tulsa—Bank and Office—Central Natl. Bank, 2nd and Boston Sts., having plans prepared by D. H. Burnham & Co., Rookery Bldg., Chicago, and H. H. Mahler & Co., 231 Lynch Bldg., 15 story and basement, 50 x 140 ft., rein.-con., stone, terra cotta and brick. $2,000,000. Noted Dec. 28.

Colo., Denver—Office—Capitol Life Insurance Co., Colorado Theatre Bldg., takes bids about July 25, 2 story and basement, 160 x 250 ft., rein.-con. and marble, Sherman St. and 116th Ave. $600,000. H. J. Manning, Majestic Bldg., archt. Noted Mar. 15.

Wash., Yakima—High School—Yakima School Dist. voted $150,000 bonds for junior high school.

Calif., Alameda — Hospital — Alameda Sanatorium, 2054 Clinton Ave., having plans prepared by E. T. Foulkes, Crocker Bldg., San Francisco, 3 story, rein.-con., Willow St. $200,000 or more.

Calif., Corte Madera—Clubhouse and Store—See "Miscellaneous."

Calif., Fresno—Hotel and Store—M. P. Hall, et al., 921 Terrace Ave., plans 3 story and basement, 75 ft. frontage, fireproof, J St. $150,000.

Calif., Fullerton—Theater—G. H. Amerige had plans prepared 75 x 150 ft. theatre, fireproof. To exceed $150,000. Private plans.

Calif., Hanford—Auditorium—City will vote on $200,000 bonds for auditorium.

Calif., Hollywood—Auditorium—Hollywood High School Dist. had plans prepared by N. F. Marsh, Bway, Central Bldg., Los Angeles, 2 story and basement, rein.-con. and brick. To exceed $150,000.

Calif., Huntington Park—School—Huntington Park Union High School Dist. having plans prepared by Rea & Garstand, Trust and Savings Bldg., Los Angeles, school buildings, incl. gymnasium, main building, manual training structures, etc. To exceed $250,000.

Calif., La Jolla—Hotel—H. W. Orwig, Security Bldg., Los Angeles, at head of Building Assn., which had plans prepared by W. C. Pennell, Pacific Finance Bldg., Los Angeles, 3 story, stucco and frame, here. To exceed $150,000.

Calif., Lodi—City Hall—Plans to vote on $150,000 or more bonds for city hall.

Calif., Long Beach—Apartment—W. Garner, et al., 140 Locust St., had preliminary plans prepared by W. W. Smith, 245 East 12th St., 5 story, fireproof, Magnolia Ave. $175,000.

Calif., Long Beach—Apartment—C. H. Stillwell, 9th St. and Grand Ave., plans apartment, fireproof, 3rd St. and Cedar Ave. To exceed $500,000. Engineer and architect not selected.

Calif., Long Beach—Club—T. J. Cannon, c/o Cannon Drilling & Supply Co., 138 American Ave., is at head of syndicate which plans 8 story, fireproof, Ocean Ave. To exceed $300,000. Engineer and architect not selected.

Calif., Los Angeles—Apartment—L. L. Smith, Byrne Bldg., preparing plans 7 story and basement, rein.-con., 2nd and Flower Sts. $250,000. Owner's name withheld.

Calif., Los Angeles — Church — Swedish Methodist Episcopal Church, c/o E. P. and C. E. Norberg, archts, Union Bank Bldg., had plans prepared 1 story and basement, brick, 14th St. and Union Ave. $150,000.

Calif., Los Angeles — Loft — Revolving Fund Co. having plans prepared by Wallace & Bush, Van Nuys Bldg., 6 story, 100 x 160 ft., rein.-con., Winston and San Pedro Sts. Pacific Knittings Mills Co., 303 East 4th St., lessee.

Calif., Los Angeles—Office C. E. Page having plans prepared by Milwaukee Bldg. Co., Wright-Callender Bldg., 12 story and basement, 95 x 114 ft., rein.-con., 6th St. and Grand Ave. $850,000.

Calif., Los Angeles — School — Berkeley Hall School, 2241 4th Ave., plans school, Wilshire Blvd. To exceed $150,000.

Calif., Los Angeles — Store — Desmond Store Co., 553 South Spring St., having plans prepared by A. C. Martin, Higgins Bldg., 6 story and basement, 60 x 155 ft., rein.-con. and steel, Bway. between 6th and 7th Sts. $300,000.

Calif., Los Angeles—Store—Hamburger Dept. Store, having plans prepared by A. C. Martin, Higgins Bldg., 3 story, 100 x 250 ft., rein.-con. and steel addition, 8th St. and Bway. $500,000.

Calif., Los Angeles—Store and Loft—Cline-Cline Co., 214 West 3rd St., plans 6 story and basement, fireproof, Hollywood St. and Las Palmas Ave. To exceed $150,000.

Calif., Los Angeles—Store and Office—Court Drug Co., 860 South Hill St., plans about 12 story, fireproof, Grand Ave. and 12th St. To exceed $750,000.

Calif., Los Angeles—Store and Office—Frick-Martin & Co., 724 South Spring St., having plans prepared by Curlett & Beelman, Union Bank Bldg., 2 story and basement, rein.-con., Spring St. $150,000.

Calif., Los Angeles—Synagogue—Temple Emanu-El, 631 South Manhattan Pl., having plans prepared by Russell & Alpaugh, Story Bldg., 1 story and basement, brick, Manhattan Pl. $150,000.

Calif., Los Gatos — High School — Los Gatos Union High School Dist. plans to vote on $250,000 bonds for group of high school buildings. Engineer and architect not selected.

Calif., Oakland—Bank and Office—B. P. Fugazi, 2 Columbus Ave., San Francisco, having plans prepared by I. Zanolini, 604 Montgomery St., San Francisco, bank, office and store, fireproof, 8th St. and Bway., here. $150,000 or more.

Calif., Riverside — Hospital — Riverside Community Hospital, 1225 Walnut St., having plans prepared by M. Hunt, Hibernian Bldg., Los Angeles, 1 story, 300 x 300 ft., hollow tile. To exceed $150,000.

Calif., San Francisco—Home—Mt. Zion Hospital, Post and Scott Sts., having plans prepared by S. Schnattacher, 233 Post St., 6 story and basement, nurses home, incl. roof garden and auditorium, probably rein.-con., Sutter St. between Scott and Divisadero Sts. $500,000.

Calif., San Francisco — Hospital — A. Abrams, 2151 Sacramento St., had revised plans prepared by M. I. Schwartz, Nevada Bank Bldg., 10 story and basement, rein.-con. and steel, Sutter St. near Larkin St. $300,000. Former bids rejected. Noted Apr. 5.

Calif., San Francisco—Stores and Office—T. C. Kleruff, Balboa Bldg., had plans prepared by B. G. McDougall and J. H. Haenke, 381 Bush St., 6 story and basement, rein.-con., Sansome St. between Pine and California Sts. $150,000. Noted Apr. 26.

Calif., San Jose—Hotel and Apartment—M. L. Rose Co., Inc., Pacific Bldg., San Francisco, had plans prepared 4 story and basement, South Market St. $150,000. Private plans.

Calif., San Jose—Store and Office—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, having plans prepared 3 story and basement, 75 x 150 ft., brick or concrete, North San Fernando St., here. $150,000. Private plans.

Calif., San Pedro—Station, etc.—Atchison, Topeka & Santa Fe R.R. Co., Kerckhoff Bldg., Los Angeles, having plans prepared station, freight terminal, etc., here. $1,000,000. R. B. Ball, Kerckhoff Bldg., Los Angeles, ch. engr.

Calif., Santa Monica — Schools — City plans to vote on $1,500,000 bonds for new schools and additions to present buildings.

Calif., Santa Monica—Theatre and Office—West Coast Theatres, Knickerbocker Bldg., Los Angeles, having plans prepared by Eng. Serv. Co., Washington Bldg., Los Angeles, 3 story, fireproof, Arizona and 3rd Sts., here. To exceed $150,000.

Buildings (Continued)

Calif., Whittier—Hospital—Murphy Memorial Hospital, East Bailey St., plans 3 story and basement addition, fireproof. $150,000 or more. Engineer and architect not selected.

BIDS DESIRED

Mass., Springfield — High School — June 21, by City Property Com., Room 12, City Hall, 3 story, 120 x 200 ft. brick addition, plain foundation, Spring St., $800,000. E. C. and G. C. Gardner, 33 Lyman St., archts.

Conn., Meriden—Business—M. Dubin, 125 Oakland St., Hartford, receiving bids and opens same about June 16 (by invitation only) 3 story, 80 x 100 ft., brick and steel, plain foundation, East Main St., here. $150,000. H. H. Beckanstein, 1029 Main St., Hartford, archt. Noted May 31.

N. Y., Brooklyn—Loft—H. Wittemann, 188 Montague St., will build brick, steel and stone, plain foundation, Jay St. $400,000. Work will be done by separate contracts under supervision of M. Klein, archt. and engr., 37 Graham Ave.

N. Y., Jamestown—Hotel—June 18, by Hotel Jamestown, Inc., 3rd and Cherry Sts., 10 story, brick, steel and stone, plain foundation. $1,225,000. W. L. Stoddart, 9 East 40th St., New York City, archt. and engr. Noted May 24.

N. Y., New York—Schools—June 12, by Bd. Educ., 500 Park Ave., P. S. 71, Roberts Ave. between Jarvis and Hobart Aves., also P. S. 47, East 23rd near 2nd Ave., both brick, steel and stone, plain foundations. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt and engr.

N. J., Asbury Park—High School—June 14, by Bd. Educ., brick, steel and stone, plain foundation. $600,000. E. A. Arend, 105 West 40th St., New York City, archt. and engr. Noted Apr. 19.

Pa., Confluence—School—June 12, by G. A. Frantz, secy. Bd. Educ., 3 story and basement, 90 x 120 ft., rein.-con., brick and steel, $150,000. E. H. Walker, Somerset, archt.

Md., Baltimore—Parsonage—June 12, by O. G. Simonson, Inc., archts., Casualty Tower, 2 story and basement, 55 x 160 ft., brick, Lombard and Catherine Sts., for St. Johns Evangelical Lutheran Church. $150,000. Noted May 10.

Ala., Birmingham—Auditorium—June 26, by City Comrs., 2 story, 100 x 250 ft., rein.-con. and brick, 8th Ave. $464,000. H. Martin, Empire Bldg., archt. Noted Nov. 2.

Ky., Louisville—Temple—June 30, by Joseph & Joseph, archts. and engrs., Francis Bldg., 7 story, 200 x 260 ft., 400 rooms, steel, Bway., for Kosairs Assn. $1,750,000. Noted May 17.

O., Cleveland—Apartment—Ohio Building Finance Co., Discount Bldg., taking bids 4 story and basement, 32 x 142 ft., brick and timber, 2,052 East 90th St., $150,000. W. A. Becker, Union Bldg., archt. Noted Apr. 5.

O., Cleveland—Apartment—Wullinger & Fishman, 5511 Ensign Ave., taking bids and open same about June 20, 4 story and basement, 48 x 119 ft., brick and timber, 1870 East 75th St. $150,000. Braverman & Havermaet, Ulmer Bldg., archts. Noted May 17.

O., Gallipolis—Hospital, Cottage, etc.—June 27, by J. E. Harper, dir. Dept. Pub. Welfare, 9th and Oak Sts., Columbus, 2 story and basement, 30 x 130 ft. cottage, $85,000, 2 story and basement hospital, $125,000, 1 story and basement, 80 x 130 ft. laundry, $35,000, all brick and concrete, on grounds of Ohio Hospital for Epileptics, here. R. S. Harsh, Ohio-Hartman Bldg., Columbus, archt.

Mich., Grand Rapids—Gymnasium and Auditorium—June 25, by H. H. Turner, archt., Michigan Trust Bldg., 2 story, 64 x 157 ft. gymnasium and 83 x 90 ft. auditorium, Ransom St., for Bd. Educ. $250,000.

Mich., Grand Rapids—High School, etc.—June 28, by H. H. Turner, archt., 923 Michigan Trust Bldg., 3 story and basement, 80 x 190 ft., rein.-con. and brick, incl. gymnasium and auditorium, Ranson St., for Bd. Educ. $300,000.

Mich., Ironwood—Church—St. Ambrose Congregation taking bids 55 x 140 ft., brick and tile, plain foundation. $150,000. E. Brielmaier & Sons Co., 432 Bway., Milwaukee, Wis., archts.

Mich., Paw Paw—High School, etc.—June 21, by E. S. Batterson, archt., Hansleman Bldg., Kalamazoo, 2 story, 102 x 396 ft., high school incl. 54 x 102 ft. gymnasium and auditorium, terra cotta and steel, plain foundation, for Bd. Educ., here. $250,000. Noted Dec. 14.

Ill., Chicago—Apartment—A. Fader, 22 West Monroe St., receiving bids 3 story and basement, 65 x 198 ft., fireproof, South Shore Dr. $150,000. L. M. Mitchell, 138 North La Salle St., archt.

Ill., Chicago—Apartment—Johnston Bros., 109 North Dearborn St., receiving bids 3 story and basement, 117 x 124 ft., fireproof, 2300-10 East 70th St. $185,000. L. M. Mitchell, 138 North La Salle St., archt.

Ill., Chicago—Hotel—D. S. Klafter, archt., 64 West Randolph St., receiving bids remodeling 5 story, 75 x 125 ft., fireproof, Clark and Center Sts., for B. I. Morris and B. Brell, c/o architect. $150,000.

Ill., Joliet—High School—D. H. Burnham & Co., archts., 105 West Monroe St., Chicago, receiving bids 4 story, fireproof addition, Eastman Ave., here, for Joliet Twp. High School Dist. $500,000.

Wis., Fond du Lac—Hotel—M. Tullgren & Sons, archts., 425 East Water St., taking bids and open same about June 12, 6 story and basement, 36 x 76 ft., brick and concrete, addition, plain foundation, for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. $150,000. Noted May 10.

Wis., Milwaukee—Apartment—R. B. Williamson, archt., 405 Bway., taking bids 4 story, 40 x 100 ft., brick and concrete, plain foundation, Grand Ave. $150,000. Owner's name withheld.

Wis., Verona — Asylum — June 15, by Dane Co. Bd. 4 story, 100 x 140 ft., brick, rein.-con. and steel, plain foundation. $150,000. A. D. Conover, 23 Tenney Bldg., Madison, archt. Noted May 10.

Wis., Viroqua—High School—June 18, by School Bd., 3 story and basement, 87 x 182 ft., brick, tile and concrete, plain foundation. $150,000. E. J. Hancock, Laycock Bldg., Eau Claire, archt.

Wis., West Allis — Theatre-Business — June 13, by R. Messmer & Bro., arcnt., 221 Grand Ave., Milwaukee, 2 story and basement, 60 x 120 ft., brick and concrete, plain foundation, for Greenfield Bldg. Corp., 6426 Greenfield Ave. $150,000.

Minn., Duluth — Business — June 12, by W. M. Prindle & Co., Lonsdale Bldg., representing R. M. Bodley Co., Boston, 5 story and basement, 109 x 115 ft., rein.-con. and brick, Superior St. and Lake Ave. $300,000. German & Jenssen, 411 Exchange Bldg., archts. and engrs.

Minn., Virginia — School — July 6, by Chairman Bd. Educ., 2 story and basement, 65 x 90 ft., rein.-con. brick and stone addition, 5th Ave. $150,000. C. W. Kelly, 505 Lonsdale Bldg., archt. and engr.

Kan., Leavenworth—High School—June 11, by C. A. Smith, archt., 602 Finance Bldg., Kansas City, Mo., 2 story and basement, 120 x 170 ft., rein.-con., stone, steel and brick, for Bd. Educ. $225,000. Noted May 24.

Tex., Denison—Hotel—June 21, by Barnett-Haynes-Barnett, archts., 915 Century Bldg., St. Louis, Mo., 6 story 50 x 150 ft., containing 85 rooms, rein.-con. and brick, plain foundation, Main St., for Denison Hotel Co. $175,000. Noted Apr. 26.

Okla., Pawhuska—Hotel—June 15, by E. Forsblom, archt., 305 Sedgwick Bldg., Wichita, Kan., 5 story, 52 x 190 ft., rein.-con. and brick, plain foundation, for C. A. and J. L. Duncan, here. $200,000. Noted Apr. 26.

Ore., Astoria—Hotel and Store—July 15 by T. Randles, (owner) Astoria, and W. Bruce, archt., 604 Journal Bldg., Portland, 5 story, 50 x 120 ft., rein.-con. and brick, wood pile foundation, 20th and Commercial Sts., here.

Calif., Glendale—Bank and Office—A. F. Priest, archt., Fay Bldg., Los Angeles, receiving bids 6 story and basement, brick, concrete and steel, Bway., here, for Security Trust and Savings Bank, 502 South Spring St., Los Angeles. To exceed $150,000.

Ont., Hamilton — Office — B. H. Prack, archt., 50 Bay St., Toronto, taking bids 8 story and basement, 115 x 135 ft., rein.-con., brick and steel, plain foundation, for J. E. Lister, 133 Glenfern Ave. $300,000. Noted May 17.

Ont., North Bay—Office—June 12, by W. H. Maund, secy. and treas., Temiskaming & Northern Ontario Ry. Co., 3 story and basement, 60 x 100 ft., rein.-con., brick and stone, Regina St. $150,000. S. B. Clement, North Bay, ch. engr.

BIDS RECEIVED

N. Y., Brooklyn.—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., May 29, P.S. 177, 5 story, brick, steel and stone, Dahill Rd., from T. A. Clarke Co., 122 Livingston St., $883,000. Noted May 24.

N. Y., Hamburg — High School — Bd. Educ., general contract, rein.-con. and brick, Pleasant Ave., from Tifft Constr. Co., Inc., Iroquois Bldg., Buffalo, $342,270; heating, E. H. Monin, Inc., 70 Delaware Ave. Buffalo, $73,919. Noted May 10.

N. Y., Kenmore—High School—Bd. Educ. general contract Delaware Rd. school, from Eastern Concrete Steel Co., Morgan Bldg., Buffalo, $366,584; heating from F. Cook, 145 Euclid Ave., $68,200. Noted Mar. 15.

N. Y., Syracuse—High School—Bd. Contr. & Supply, general contract 17th Ward Junior High School, 2 story and basement, 200 x 300 ft., brick, steel and stone, Fellows Ave., from Jenks & Venton Constr. Co., S. A. & K. Bldg., $587,906. Noted May 31.

N. J., Hightstown—School—Bd. Educ. general contract 2 story, brick, steel and stone, plain foundation, from T. J. Holloran Co., 41 Central Ave., Newark, $137,472. Noted May 10.

O., Cleveland—Library—Cleveland Pub. Library Bd., c/o J. J. White, pres., Kinney-Levan Bldg., May 28, 4 story and basement, 199 x 216 ft., brick, steel, concrete and marble, East 3rd St. and Superior Ave., from Lundoff-Bicknell Co., 5716 Euclid Ave., $3,550,000. Noted May 3.

Ia., Keokuk—School—Bd. Educ., 3 story and basement, rein.-con., brick, tile and stone, from Currie-Simpson Co., 180 West 1st St., Waterloo, $267,990. Noted May 24.

Wash., Seattle—Hotel—Community Hotel Corp., constructing Hotel Olympic, from Grant Smith Co., Henry Bldg., $3,254,000.

CONTRACTS AWARDED

Mass., Boston — Apartment — Bay State Rd. Co., c/o Strickland, Blodgett & Law, archts., 26 Pembroke Sq., 8 story, 105 x 140 ft., rein.-con. and brick, wood pile foundation, 91 Bay State Rd., to Chase & Gilbert, 185 Devonshire St., $600,000.

Mass., Boston — School — Schoolhouse Dept., City Hall, 2 story, 95 x 100 ft., brick and timber, Brighton Dist. to J. Rugo, 80 Boylston St., $168,000. Archts. est. $175,000.

Mass., Boston—Store, etc.—E. V. Earle & Sons, 200 Devonshire St., will build 8 story, 95 x 152 ft. store and warehouse rein.-con., steel frame, wood pile foundation, 49 Federal St., by day labor. $750,000. G. N. Meserve, 200 Devonshire St., archt.

Mass., Springfield—Bank—Federal Land Bank, 145 State St., 2 story and basement, 80 x 175 ft., brick and steel, plain foundation, State and Byers St., to F. T. Ley Co., 495 Main St., $180,000.

Conn., Bristol—Business—W. J. Tracy, 2 Riverside Ave. and J. E. Condon, 38 Laurel St., 3 story, 65 x 110 ft., brick and steel, plain foundation, Main St., to L. A. Miller, 22 Church St., Meriden. Excavation to F. P. Helming, 60 Pleasant St. Archts. est. $150,000. This corrects report of May 10 issue.

Conn., Hartford—Apartment—Carabillo & Lombardo, 18 Seyms St., carpentry work for 3 story, 48 x 90 ft., brick, plain foundation, Vine St., to Zlotnick & Davidson, 29 Blake St. Owner will do masonry work. Archts. est. $150,000.

Conn., Hartford—Apartment—J. S. Guica, 115 Baltimore St., 3 story, 40 x 90 ft., brick, plain foundation, Bedford St., to Carabillo & Russo, Front St. Archts. est. $150,000.

Conn., Hartford—Apartment—J. J. Wall, 401 Farmington Ave., will build two 3 story, 64 x 90 ft., Spanish architecture, and two 3 story, 70 x 90 ft., English architecture, Farmington Ave., by day labor. $300,000 and $330,000 respectively. G. Zunner, 182 High St., archt. Noted May 3 and May 17.

Conn., Hartford—Apartment and Store—F. P. Carabillo Constr. Co., 96 Mather St., carpentry work for 3 story, 100 x 110 ft., brick, plain foundation, Garden and Mather Sts., to Zlotnick & Davidson, 29 Blake St. Owner will do masonry work. Archts. est. $160,000.

Conn., Hartford—Business—A. H. Carpenter, Bloomfield, 7 story, 50 x 112 ft., brick and steel, plain foundation, Asylum St., to M. A. Connor, 668 Broadview St. Archts. est. $200,000.

Conn., Hartford—Orphanage—Hartford Orphan Asylum, 171 Putnam St., to Porteus Walker Co., 13 Forrest St., 2 story, 60 x 82 ft. administration, $150,000; 2 story, 28 x 70 ft. cottage, $60,000; 2 story, 31 x 86 ft. superintent building, $70,000; 2 story, 30 x 74 ft laundry, $60,000; two 2 story, 45 x 70 ft. homes, $150,000; 2 story, 30 x 100 ft. infants building, $150,000; 2 story, 35 x 45 ft. infirmary, $40,000, all foregoing brick, plain foundations, Albany Ave. Noted Feb. 8.

N. Y., Brooklyn — Apartment — Fifty-Ninth St. Building Corp., c/o W. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., will build 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Prospect Pl., by day labor. $200,000.

N. Y., Huntington—School—Bd. Educ., 68 x 150 ft., Woodbury Ave., to L. M. Nackerman Co., Inc., 103 Park Ave., New York, $169,890. Noted May 10.

N. Y., New York—Apartment—De Voe Park Realty Co., c/o W. J. Hohauser, archt. and engr., 16 West 39th St., will

Buildings (Continued)

build 6 story, 100 x 200 ft., brick, steel and stone, plain foundation, East 88th St., by day labor. $400,000.

N. Y., New York—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, annex to P. S. 72, East 104th and East 105th Sts., here, to M. F. Kelley Co., 51 East 42nd St., $668,945. Noted May 31.

N. Y., Lakewood—High School—Bd. Educ. general contract 2 story, 60 x 168 ft., brick, to C. A. Haas, 10th and Monroe Sts., Jamestown, $115,745. Noted May 10.

Pa., Latrobe — Office — See "Industrial Works."

Ky., Bowling Green—Hotel—Morehead Hotel, 4 story, 120 room, to Forbes Mfg. Co., Hopkinsville. Archts. est. $300,000.

Ky., Owensboro—Hotel—Hicks Hotel Co., Chicago, 4 story, 100 x 150 ft., 4th and Frederica Sts., here, to Hoffman Constr. Co., Furniture Bldg., Evansville, Ind. Est. cost, $300,000.

O., Cincinnati—School—Bd. Educ., excavation, rein.-con. and carpentry work for 2 story, 136 x 336 ft., brick, Springfield Ave., to D. Meinken & Son, 2126 Western Ave., $178,864; brickwork, hollow tile partitions, furring and cut stone work, to E. A. Curry, 1855 Kinney W. H., $125,529. Noted Apr. 26.

O., Cleveland—Infirmary—R. S. Harsh, archt., Ohio-Hartman Bldg., Columbus. 2 story and basement, 180 x 180 ft., brick, steel and concrete, Warner Rd., here, to Schirmer O'Hara Co., 2031 Euclid Ave., for Dept. Pub. Welfare, 9th and Oak Sts., Columbus. Archts. est. $225,000. Noted May 17.

O., Cleveland Heights (Warrensville, P. O.)—Apartment, etc.—L. Duchon, 3045 Essex Rd., Cleveland, 3 story and basement, 66 x 126 ft. apartment with 22 x 66 ft. wing, also 52 x 72 ft. garage, brick and timber, Hampshire and Overlook Rds., here, to I. and B. Dolinsky Constr. Co., 6317 Kinsman Rd., Cleveland.

Ill., Chicago—Apartment—J. L. Lelivelt, 38 South Dearborn St., 3 story, 100 x 125 ft., fireproof, 732-42 South Keeler Ave., to S. Moreno, 100 West Polk St. Archts. est. $150,000.

Ill., Chicago—Apartment—Miller & Melnick, 153 West Kinzie St., 3 story and basement, 103 x 192 ft., fireproof, 2617 Blaine Pl., to Melnick Constr. Co., 153 West Kinzie St. Archts. est. $200,000.

Ill., Chicago — Club — Racquet Club, c/o Rebori, Wentworth & Dewey, archts., 332 South Michigan Ave., 4 story, 85 x 156 ft., fireproof, Dearborn and Schiller Sts., to Dahl-Stedman, 11 South La Salle St. Archts. est. $500,000. Noted May 24.

Ill., Chicago—Recreation—C. C. Marzano, 3323 West 63rd St., 2 story, 100 x 125 ft., fireproof, 63rd St. near Homan St., by day labor. $150,000. A. V. Capraro, 64 West Randolph St., archt. Noted May 3.

Ill., Chicago—Science—De Paul University, 2300 Osgood St., 4 story, 37 x 119 ft., fireproof, 2316-26 Osgood St., to Anderson & Winblad, 6235 South Michigan Ave. Archts. est. $250,000.

Ill., Chicago—Store, Hall and Office—I. M. Mills, c/o D. S. Klafter, archt., 64 West Randolph St., 3 story, 150 x 207 ft., fireproof, Milwaukee and Crawford Aves., to L. Balkin, 538 South Clark St. Archts. est. $300,000. Noted Mar. 1.

Wis., Racine—Bank and Office—Racine City Bank, 1345 Washington Ave., 2 story and basement, 40 x 100 ft., brick, stone and concrete, plain foundation, to Nelson & Co., 408 Janes Blk. Archts. est. $150,000.

Wis., Milwaukee — Store and Office — Liberty Realty Co., c/o Herbst & Kuenzli, archt., 114 Grand Ave., 2 story and basement, 116 x 120 ft., brick, tile and concrete, plain foundation, Mitchell St., to C. A. Kleppe, 1026 1st St. $175,000.

Wis., Wausau—Clubhouse—Wausau Club, 309 McClellan St., will build 2 story and basement, 60 x 120 ft., brick and concrete addition, plain foundation, by day labor. $150,000. Oppenhamer & Obel, Spencer Bldg., archts.

Minn., Minneapolis—Electrical—State Bd. Control, 3 story and basement, rein.-con., brick and tile, State U, general contract to Carlsted Bros., 542 Builders Exch., $258,643. Noted May 24.

Kan., Wichita—Business—Western Union Telegraph Co., 114 East 1st St., 3 story, 60 x 140 ft., rein.-con., brick and steel plain foundation, Topeka and 1st Sts., to Collins Bros., 1600-02 Grand Ave., Kansas City, Mo. Archts. est. $150,000.

Kan., Wichita—Home—Kansas Masonic Home Assn., 400 South Seneca St., 2 story additions, incl. 25 x 63 ft. boys building, 33 x 64 ft. girls' building, 33 x 74 ft. men's building and dairy barn, all hollow tile and stucco, plain foundations, to Eberhardt Constr. Co., 2205 East Douglas St., Wichita, $77,400. Archts. est. $150,000.

Mo., St. Louis—Hotel—Stuyvesant R. & B. Co., 1012 International Life Bldg., will build 10 story, 39 x 177 ft. and 38 x 127 ft., rein.-con., brick and steel, concrete pile foundation, Spring Ave, and Lindell Blvd., by day labor. $1,000,000. P. J. Bradshaw, International Life Bldg., archt.

Tex., Houston—Hospital—Baptist Sanitarium 8 story, addition, to Henger & Chambers, Slaughter Bldg., Dallas, $500,000. Archts. est. $325,000.

Calif., Alhambra—High School—Alhambra High School Dist, auditorium for high school, to Larsen-Siegrist Co., Loew State Bldg., Los Angeles, $178,822. Bid does not include art stone work, sheet metal, plumbing, steel partitions, etc. Noted May 24.

Calif., Los Angeles—Hotel—R. Coombs, designer, 4853 Melrose Ave., will build 4 story and basement, brick, Flower and 2nd Sts., for K. Lundeen, Van Nuys Bldg., by day labor. $150,000 or more.

Calif., Los Angeles—Hotel and Apartment—Macdonald & Kahn, and A. C. Blumenthal, Loew State Bldg., 8 story and basement, rein.-con., 7th St. near Valencia St., to Macdonald & Kahn, 603 Loew State Bldg., $300,000.

Calif., Los Angeles — Loft and Store — United States Rubber Co., 932 South Los Angeles St., 3 story and basement, rein.-con., 8th St. near San Pedro St., to Weymouth-Crowell Co., 2026 West 9th St., approximately $150,000.

Calif., Los Angeles—Restaurant and Hall —E. N. Klarquist, 1642 Las Palmas St., will build 4 story and basement, rein.-con., restaurant and banquet halls, for Paulais Co., 741 South Bway., by day labor. $150,000.

Calif., Los Angeles—Theatre—Erlanger Estate, c/o Schultze & Weaver, archts., Pacific Mutual Bldg., rein.-con. and brick, Grand Ave. and 5th St., to Scofield Eng. Co., Pacific Finance Bldg., $500,000.

Calif., Pasadena — Church and Sunday School—First Methodist Church, remodeling church and Sunday school addition, concrete, to W. Taylor & Son, 966 Elizabeth St., $170,000.

Calif., Pasadena — School — Pasadena School Dist., group of buildings, brick, general contract to C. G. Wopschall, 380 South Raymond Ave., $146,760. Noted May 24.

Calif., San Francisco—Apartment—The Heights, Inc., c/o R. Whitney, Monadnock Bldg., 10 story and basement, rein.-con., Bway. near Octavia St., structural steel to Schrader Iron Wks., 1247 Harrison St., $33,129; concrete and carpentry work to Jacks & Irvine, 5426 California St., $38,660 and $31,025 respectively. Noted Apr. 12.

Calif., San Francisco—Hotel—St. Francis Hotel Co., Geary and Powell Sts., 5 story, annex, fireproof, Post St. near Powell St., to Lindgren Co., Monadnock Bldg., approximately $1,000,000. Noted May 17.

Calif., San Francisco — Loft — H. B. Blatchly, 53 3rd St., 6 or 7 story addition, brick or concrete, 2nd St., to M. Marcussen, Amer. Natl. Bank Bldg., $200,000.

Calif., San Francisco—School—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., 4 story and basement, rein.-con., Pine St., to J. L. McLaughlin, 251 Kearny St., $150,000.

Calif., Taft — High School — Taft Union High School Dist., 3 rein.-con. buildings, general contract to Olchester, Potter & Kerr, Selma, $169,300. Noted May 31.

Ont., Oshawa—School—Bd. Educ., Dominion Bank Chambers, 2 story and basement, 10 rooms, brick and steel, plain foundation, Center St., general contract to W. J. Trick, 25 Albert St., $139,733. Archts. est. $175,000. Noted May 3.

Ont., St. Thomas—Hospital—Darrach & Findlay, archts., 430 Talbot St., 3 story and basement, brick, concrete and steel, plain foundation, for city, general contract to Ponsford Constr. Co., 605 Talbot St., $121,791. Archts. est. $150,000. Noted May 3.

Federal Government Work

PROPOSED WORK

Fla., Pensacola—Pump House, etc.—Spec. 4793—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids pump house, timber trestle, equipment and piping at Naval Air Station, here. Noted May 10.

Panama—Towers—Spec. 4794—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids dismantling towers at St. Petersburg, Fla., and erecting same at La Palma, C. Z., here. Noted May 31.

BIDS DESIRED

N. Y., Niagara Falls—Extension—June 25, by Treas. Dept., Wash., D. C., extension to U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Pa., Middletown—Hangars—June 11, at office Constructing Quartermaster, Middletown, two airplane hangars at Air Intermediate Depot. For further information apply to Constructing Quartermaster, Edgewood Arsenal, Md. Noted May 24.

Md., Baltimore — Lumber — June 20 by Superintendent of Lighthouses, Baltimore, 66,112 ft. yellow pine lumber.

D. C., Wash.—Lumber—June 19, by Bureau Supplies & Accounts, Navy Dept., 970,000 ft. Douglas fir.

Va., Yorktown—Power Plant Equipment, etc.—Spec. 4826—June 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant equipment at Naval Marine Dept., here. Noted Apr. 19.

Fla., Pensacola—Extension—Spec. 4837—June 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., bulkhead extension, here. Noted Apr. 19.

Ala., Anniston—Extension—June 25, by Treas. Dept., Wash., D. C., extension to building and driveway at U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Tenn., Chattanooga—Lumber—June 15, at office U. S. Engineer, furnishing 425,000 ft. yellow pine for Widows Bar, Dam 420,000 ft. yellow pine for Widows Bar Dam on Tennessee River, 413,550 ft. yellow pine timber.

Ill., Chicago—Sewer Extension—Spec. 4851—June 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., Great Lakes Sewer outfall extension, here. Noted May 31.

Tex., El Paso—Addition and Alterations —June 18 at office Constructing Quartermaster, William Beaumont General Hospital, here, addition of Physio-Therapy Wing and alterations to Bldg. 5-B; adv. this issue.

Oregon—Road—U. S. Bureau Pub. Rds., Post Office Bldg., Portland, completed surveys for Cascade Mt. Highway from Lowell, Lane Co., to Crescent, Klamath Co., 89.2 mi., maximum grade 5 per cent, maximum curvature 28 degrees. C. R. Short, locating engr.

H. T., Pearl Harbor—Storage Facilities —Spec. 4760—July 18, by Bureau Yards & Docks, Navy Dept., Wash., D. C., additional mine storage facilities at Naval Operating Base, here. Noted Dec. 7.

BIDS RECEIVED

Mass., Rutland—Hospital—Quartermaster General, 2306 Munitions Bldg., Wash., D. C., 10 new buildings, rein.-con. and tile, central heating plant with distribution main and necessary extension to water, sewer and light lines, grading and roads, etc., at U. S. Veterans' Hospital, here, (1) work complete, from J. Miles & Sons Co., 393 Main St., Worcester, (1) $490,637 (2) $15,549 (3) $21,408 (4) $78,257 (5) $23,757 (6) $74,493 (7) $60,174 (8) $17,954 (9) deduct $116,200 (10) add $155 (11) add $2,300 (12) add $1,314 (13) add $2,650 (14) deduct $4,500 (15) add $19,537 (16) deduct $3,425 (17) deduct $17,211 (18) deduct $1,475 (19) unit prices (1) $0.20 per sq.yd. (2) $1 per sq.yd. (3) $3 (4) $1-$2.50 (5) $5 (6) $3.60 (7) $19 (8) $19 (9) $110 (10) $100 (11) $60 (12) $0.50 (13) $0.25 (410 days); M. Seretto, 3 Tremont Row, Boston, (1) $575,000 (2) $18,700 (3) $20,000 (4) $76,000 (5) $24,000 (6) $80,000 (7) $56,000 (8) $16,000 (9) $96,000 (10) $2,500 (11) $2,500 (12) $2,400 (13) $9,500 (14) deduct $4,500 (15) add $37,500 (16) deduct $3,500 (17) deduct $21,000 (18) $200 (19) (1) $3.50 (2) $2 (3) $4.40 (4) $2.75 (5) $4.50 (6) $3.15 (7) $24 (8) $28 (9) $120 (10) $125 (11) $60 (12) $50 (13) $0.30. (380 days). Noted May 31.

Va., Leesburg—Post Office—Treas. Dept., Wash., D. C., construction U. S. Post Office, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $33,589. Noted May 10.

Wis., Green Bay—Dredging—U. S. Engineer, Milwaukee, dredging approximately 450,000 cu.yd. here, from Grelling Bros., 110 East Walnut St., $0.257. Noted May 3.

Oregon—Roads—From K. L. Hall, Eugene, grading 5.4 mi. Alsea Sect. 7, National Forest Rd., Lane Co., 3,500 cu.yd. rock excav. $1.40, 29,200 cu.yd. common excav. $0.50, etc., totals, using concrete culverts $39,619 using log culverts, $32,708, widening 1.3 mi. Alsea Sect. 10, National Forest Rd., Lane Co., 11,000 cu.yd. excav. $0.62, etc., total $9,021.

CONTRACTS AWARDED

N. H., Portsmouth—Remodeling—Spec. 4795—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling marine barracks, Navy Yards, here, to W. F. Martens, 112 Cutler Bldg., Rochester, N. Y., $62,882 (240 days). Noted May 31.

N. Y., New York—Dredging—U. S. Engineer, 2nd Dist., Army Bldg., dredging in New York and New Jersey Channels, Area 1 to Great Lakes Dredge Co., 17 State St., $229,425; Area 4, to Morris & Cummings Dredging Co., 17 State St., $226,152; Areas 5 and 6 to Taylor Dredging Co., foot of Communipaw Ave., Jersey City, N. J. $330,534.

Federal Government Work (Continued)

N. Y., Plattsburg — Monument — U. S. Engineer, Army Bldg., 39 Whitehall St., New York, MacDonough Memorial, here, to J. Young, Jr., 103 Park Ave., New York City, $97,570. Noted May 10.

Pa., Phila.—Engine Testing Building—Spec. 4835—Bureau Rards & Docks, Navy Dept., Wash., D. C., engine testing building at aircraft factory, here, to Pearce Bros., Inc., 220 West 42nd St., New York City, $17,520 (120 days). Noted May 24.

Del., Wilmington—Dredging—U. S. Engineer, dredging Tuckerton Creek, N. J., to Delaware Dredging Co., 139 South 3rd St., Phila., Pa., $9,180. Noted May 24.

La., New Orleans—Earthwork—U. S. Engineer, 4th Dist., Custom House, 1,907,100 cu.yd. earthwork in Atchafalaya and surrounding districts: to D. B. Hearin & Son, New Reymond Bldg., Baton Rouge, St. Cloud Levee, $18,810; to O. O. Ogden, Roumain Bldg., Baton Rouge, Nina Levee, $77,400; to Lafourche Basin Levee Board, Donaldsville, Live Oak Levee, $20,700; to H. A. Schoenberger, Triumph, Ballay Levee, $4,025, Lee Rice Levee, $4,370, Crombie Levee, $2,208 and Bicks Levee $3,910; to Lower Coast Constr. Co., Ltd., 122 Chartres St., Bowden Levee, $18,720. Noted May 10.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, furnishing 100 pieces 3 and 4 x 10 in. x 30 ft. rough oak, 125 pieces 12 x 12 in. x 12 ft. oak, 120 pieces 2 and 6 x 12 in. x 14 ft. oak and 35,000 ft. long leaf yellow pine, to Marsh & Truman Lumber Co., 332 South Michigan Ave., Chicago, $3,368, and Hayden & Wescott Lumber Co., 80 East Jackson Blvd., Chicago, $1,606. Noted May 17.

Ill., Chicago—Cement—U. S. Engineer, 537 South Dearborn St., 6,900 bbl. cement, to Universal Portland Cement Co., 210 South La Salle St., $17,250.

Ill., Chicago—Dredging, etc.—U. S. Engineer, 537 South Dearborn St., dredging and pier removal in Calumet Harbor and River, Illinois and Indiana, to FitzSimmons & Connell Dredge & Dock Co., 10 South La Salle St., $70,615. Noted Apr. 26.

Ill., Chicago—Stone—U. S. Engineer, 537 South Dearborn St., crushed stone or gravel in Calumet Harbor, to L. D. Smith Stone Co., Sturgeon Bay, Wis., $9,660.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., 645,000 cu.yd. earthwork in Iowa River-Flint Creek Levee Dist. 16, Iowa, and 300,000 cu.yd. earthwork in Louisa Co. Levee Dist. 15, Iowa, to La Crosse Dredging Co., Plymouth Bldg., Minneapolis, Minn., $0.28 per cu.yd., total $180,000 and $0.1875 per cu.yd., total $56,250, respectively. Noted May 31.

Calif., San Diego—Roads—Spec. 4766—Bureau Yards & Docks, Navy Dept., Wash., D. C., walks, curbs and grading, at Naval Operating Base, here, to De Waard & Cobham, 207 Granger Bldg., $7,148 (40 days) Noted May 18.

Miscellaneous

PROPOSED WORK

Golf Course—Bristol, Conn.—Chippeny Country Club, Chippens Hill, plans golf course. $50,000. C. W. Buell, 175 Main St., engr.

Tower—Farmington, Conn.—Landowners Protective Assn. plans steel tower. $25,000. C. M. Saville, 1029 Main St., Hartford, engr.

Athletic Field—West Hartford (Hartford P. O.) Conn.—Amer. School for Deaf, North Main St. plans athletic field, etc. $75,000. H. A. Perkins, pres. Engineer not selected.

Conduit System—Erie, Pa.—Plans conduit system in East 10th, Upper Peach, West 31st, South Cherry, Parade, Liberty, and East 21st Sts. $70,875. F. G. Lynch, city engr.

Stadium—Erie, Pa.—Osborn Eng. Co., engrs., 2848 Prospect Ave., S. E., Cleveland, O., soon receives bids for stadium in connection with Academy High School, here, seating capacity 19,000, for Bd. Educ., Chamber of Commerce and Civic Organizations. Noted Mar. 22.

Steam Heating Plant, etc.—Madison, Wis.—New York Floral Co., 30 North Carroll St., plans to install steam heating plant, conveyors, hoist, etc. in proposed greenhouses. $25,000. F. Choles, mgr. Engineer not selected.

Levee, etc.—Prairie du Chien, Wis.—Crawford Co. Levee and D. D., Court House, had plans prepared 1,498,000 cu.yd. river levee work, 1,265,000 cu.yd. bluff diversion, 278,200 cu.yd. drainage ditches, 22 mi. transmission lines, pumping plant 80,000 g.p.m. capacity, 250 hp. pumps against 18 ft. head. $686,000. Central States Eng., Muscatine, Ia., engrs. Noted Nov. 16 under "Excavation, Drainage, Irrigation."

Townsite—Corte Madera, Calif.—Commercial Center Realty Co., 916 Kearny St., San Francisco, had plans prepared by M. J. Lyon, 916 Kearny St., San Francisco, Chevy chase between here and Larkspur, paving streets, constructing club house, auto service station, stores, cottage, gas, sewer and water systems. To exceed $500,000.

Park Improvements—Los Angeles, Calif.—City plans to vote on $1,500,000 bonds to purchase lands and improve same for park purposes.

Turntable — San Bernardino, Calif. — Atchison, Topeka & Santa Fe Ry. Co., Kerchoff Bldg., Los Angeles, plans turntable. $100,000. R. B. Ball, Kerchoff Bldg., Los Angeles, ch. engr.

Grain Elevator—Sarnia, Ont.—Hunt Bros. Ltd., c/o C. R. Hunt, Nightingale Ave., London, plans grain elevator, steel and concrete, on waterfront, here. $1,500,000. Prices wanted on materials and equipment.

Road Oil — Tara, Ont. — Town Council plans to purchase 6,000 gal. road oil, 50% asphalt. W. J. Taylor, clk.

Foundations—Trent River, Ont.—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans foundation for power house, and tailrace excav., incl. 90,000 cu.yd. rock, 2,700 cu.yd. concrete, furnishing and setting reinforcing steel and rock fills, at Dam 8, here. $400,000. W. W. Pope, secy. Noted May 24.

BIDS DESIRED

Paving Blocks—New York, N. Y.—June 11. by Bd. Purch., Municipal Bldg., furnishing and delivering creosoted wood paving blocks.

Tunnel—New York, N. Y.—June 26, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Hall of Records, portion of 2 tunnels as approaches to river section of vehicular tunnel under Hudson River, on Island of Manhattan, Contr. 5. T. Boettger, chn.; adv. this issue.

Sea Wall—Vicksburg, Miss.—July 2, at City Hall, concrete wall along river front. Miller-Butterworth Co., 624 Southern Trust Bldg., Little Rock, Ark., engrs.; adv. this issue.

Dock Front, etc. — Conneaut Harbor (Conneaut, P. O.), **O.** — June 25, by Bessemer & Lake Erie R.R., at office H. T. Porter, ch. engr., Greenville, Pa., rein.-con. dock front and dredging channel between present dock front and new dock front, etc., here; adv. this issue.

Tunnel—Orient, O.—June 16, by Dept. of Pub. Welfare, 9th and Oak Sts., Columbus, ¾ mi. concrete tunnel, here. $160,000. R. S. Harsh, Ohio-Hartman Bldg., Columbus, engr.

Stadium — Bloomington, Ind. — Osborn Eng. Co., 2848 Prospect Ave. S. E., Cleveland, O., taking bids concrete stadium, 20,000 seating capacity, for Indiana University, here. $250,000. Noted May 31.

Street Lighting System—Shorewood (Milwaukee P. O.), **Wis.**—June 11, by T. B. Olsen, village clk. materials and installation street lighting system. $80,000. A. J. Sweet, 531 Grand Ave., engr. Noted May 17.

Gas Mains—Duluth, Minn.—See "Waterworks."

Paving Materials, etc.—St. Paul, Minn.—June 11, by H. W. Austin, city purch. agt., 70,000 sewer brick for Water Dept.; reinforcing steel for Wabasha Ave. Bridge; materials for paving parts of Berkley, Stanford, Wellesley and Jefferson Aves. as follows, 1,816 bbl. cement, 1,277 cu.yd. crushed rock, 766 cu.yd. concrete sand, 132 cu.yd. crushed rock for curb, 138 tons asphalt, 578 cu.yd. fine and 173 cu.yd. coarse asphalt sand, 138 tons limestone dust, 370 cu.yd. binder stone, 1,788 sq.ft. tile sidewalk, 1,200 sewer brick, 14,025 lb. ½ in. reinforcing. G. M. Shepard, city engr.

Structural Steel—Rapid City, S. D.—June 13, by A. C. Hunt, secy. South Dakota State Cement Comn., structural steel frame work for 79 x 408 ft. raw storage building. J. C. Buckbee Co., First Natl. Bank Bldg., Chicago, engrs.

Breakwater — Rockport, Tex.—June 16, rubble mound or timber bulkhead breakwater. $50,000. F. M. Percival, city engr.; adv. this issue.

BIDS RECEIVED

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—Bd. Educ., 500 Park Ave., New York City, May 28, heating, ventilating and temperature regulation apparatus in P. S. 16, Wilson St., here, from Federal Heating Co., 300 Madison Ave., New York, $26,700. Noted May 24.

Binder Stone — New York, N. Y. — J. Miller, pres. Manhattan Boro. Municipal Bldg., June 1, 8,000 cu.yd. binder stone, from Calvin Tompkins Co., 30 Church St., $15,200. Noted May 24.

Freight Shed—New York, N. Y.—J. H. Delaney, comr. Docks, Pier "A," foot of Battery Pl., May 31, new freight shed on pier at foot of Roosevelt St., East River, Brooklyn Bridge Impvt., Manhattan Boro., Contr. 1809, from McHarg Barton Co., 132 Bway., $82,000. Noted May 24.

Miscellaneous Construction, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., miscellaneous construction and station finish for Rapid Transit Railroad in Boros of Manhattan, Bronx, Brooklyn and Queens, Agreement "BV," from D. C. Serber, 451 West 16th St., $15,020. Noted May 24.

Wharf and Dock—Detroit, Mich.—Pub. Lighting Comn., Atwater St., constructing wharf and dock, rein.-con., at site of proposed lighting plant, from Greiling Bros., 100 Blk. E, Walnut St., Green Bay, Wis., $417,400.

CONTRACTS AWARDED

Park Improvements—Boston, Mass.—Park Dept. will construct bleachers, baseball diamonds, bath houses, etc., in Wood Island Park, East Boston, by day labor. $100,000. A. A. Shurtleff, 89 State St., landscape archt. Bids soon on sand, gravel, lumber, cement, etc.

Grand Stand, etc. — Hartford, Conn. — Connecticut Fair Assn., c/o G. A. Long pres., 32 Loraine St., combined grandstand and hall, steel and concrete, to Porteus-Walker Co., 13 Forrest St. Archts. est. $60,000.

Grandstand, etc. — South Manchester, Conn., — Cheney Bros., grandstand and bleachers, to Manchester Constr. Co., 953 Main St. Archts. est. $30,000. Noted May 24.

Gas Holder—Geneva, N. Y.—Empire Gas & Electric Co., 103 Castle St., 500,000 cu.ft. gas holder, to Stacey Bros. Gas Constr. Co., 5535 Carthage Pike, Elmwood, Cincinnati, $58,000. Noted May 10.

Subway — New York, N. Y. — Transit Comn., 49 Lafayette St., Sect. 2, Route 45, part of Bway.-4th Ave. Rapid Transit R.R., to Patrick McGovern, Inc., 50 East 42nd St., $5,976,086. Noted May 31.

Coaling Station—East Thomas (Birmingham, P. O.), **Ala.**—St. Louis and San Francisco R.R. Co., Frisco Bldg., St. Louis, Mo., automatic 300 ton rein.-con. coaling station, here, to Howlett Constr. Co., 1605 5th Ave., Moline, Ill., $30,000.

Dock—Superior, Wis.—Great Northern Ry., Railway Bldg., St. Paul, Minn., rebuilding ore dock No. 2, here, to Pepard & Fulton, 217 Bd. Trade Bldg. $1,000,000. Noted Mar. 15.

Wharves, etc. — Beaumont, Tex. — To Houston Constr. Co., 3102 McKinney Ave., Houston, 75,000 cu.yd. dredging and fill, $16,500, 4,500 sq.yd. porous backing $2,700, 45 cu.yd. Mass concrete $810, 1,400 lin.ft. wharf platform $119,000, 1,500 lin.ft. bulkhead $127,500, 300 tons stone rip rap $900, total $267,410. Noted May 24.

Retaining Wall, etc.—Astoria, Ore.—City building retaining walls, etc., (1) standard walls (2) stepdown walls, from J. Slotte & Co., 525 Exchange St., along Bond, 11th, 12th and 14th Sts., Dist. 1, 3,400 lin.ft. concrete retaining wall, 26,000 lin.ft. piling, 1,100 lin.ft. concrete tunnel, 3,000 lin.ft. 6-10 in. sewer, etc., (1) $99,209 (2) $97,040. Commercial, 15th and 16th Sts., Dist. 2, 4,600 lin.ft. concrete retaining wall, 34,000 lin.ft. piling, 1,100 lin. ft. concrete tunnel, 4,800 lin.ft. 6-16 in. sewer, etc., (1) $130,356 (2) $123,491; Duane, 11th and 12th Sts., Dist. 3, 2,000 lin.ft. concrete retaining wall, 15,000 lin.ft. piling, 1,000 lin.ft. concrete tunnel, 2,500 lin.ft. 6-12 in. sewer, etc., (1) $65,427 (2) $62,262. Former bids rejected.

Steel Penstocks and Accessories—San Francisco, Calif.—City and San Francisco Co., steel penstocks and accessories for Moccasin Creek Power Plant, Hetch Hetchy Project, Sect. 1, under Prop. A, for riveted steel pipe to Western Pipe & Steel Co., 444 Market St., $213,017; Sect. 2, lower portion, Prop. G, welded steel pipe to M. W. Kellogg, 117 Westside Ave., Jersey City, N. J., $1,016,525. Noted Apr. 19.

Transmission Line—Paisley, Ont.—Hydro Electric Power Comn., of Ontario, 190 University Ave., Toronto, will build 15 mi. transmission line from Paisley to Chesley, by day labor. $50,000. F. A. Gaby, ch. engr.